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AN ATTEMPT TO INFECT THE RHESUS MONKEY WITH BLOOD AND SPINAL FLUID FROM PELLAGRINS.

By JOHN F. ANDERSON, Director Hygienic Laboratory, and JOSEPH GOLDBERGER, Passed Assistant Surgeon.

[From the Hygienic Laboratory, Washington, D. C.]

In the literature of pellagra there is not, so far as we are aware, any record of an attempt to infect by inoculation any of the higher animals, such as monkeys, with the blood or tissues from pellagrins.

Samson's theory of the transmission of pellagra by the buffalo gnat, or *Simulium reptans*, would seem to require that the infecting agent in pellagra be present in the blood at some stage of the disease. From this it follows that, if monkeys are susceptible, the inoculation of blood from cases of the disease should produce pellagra provided the blood was drawn at a time when the infectious agent was present therein.

During the summer of 1910 we had the opportunity of obtaining some blood from two well-marked cases of pellagra and spinal fluid from one of them. The blood and spinal fluid were used for the inoculation of *Macacus rhesus* monkeys. The details of the experiments are given in the following protocols:

Case 1.—Female, G. M. This patient was a well-marked case of pellagra, showing the acute manifestations of the disease at the time the blood was taken. She was probably in her first attack. Her temperature at the time the blood was drawn was normal.

July 16 at 11 a. m. about 10 c. c. of blood was drawn from the arm vein, defibrinated, and used as follows:

Cultures were made in fermentation tubes, which remained sterile.

Monkey No. 1; female rhesus. At 12 noon 5 c. c. of the defibrinated blood from G. M. was inoculated intraperitoneally.

Monkey No. 2; female rhesus. To the fibrin and blood remaining in the flask, in which the blood was defibrinated, 5 c. c. of normal salt solution was added. The flask was well shaken and 7 c. c. of the fluid drawn off and inoculated intraperitoneally.

The temperature of both these animals was taken daily until October 21, 1910, when the taking of the temperature was discontinued; but the animals were kept under observation until about March 1, 1911.

On August 11, 1910, there was noted an apparent bronzing of the face and a pinkish tint of the neck and upper chest of monkey No. 1. This bronzing and tinting was noticed to be more distinct on some days and at times of day than at other times. It persisted for a long time without apparent increase. Nothing unusual was noted with monkey No. 2.

Case 2.—Female, Mrs. G. This patient was a well-marked case of pellagra, with a marked erythema of hands and elbows, and a roughened scaly forehead. The history was unsatisfactory, but the conclusion was reached that she was probably in her second or third attack. When blood and spinal fluid were taken the patient was in a low muttering delirium and her temperature was between 101.4° and 102.4° F.

On August 24, 1910, at 10.30 a. m., blood was drawn from the arm vein and defibrinated. Cultures were made and found to be sterile.

At 10.45 a. m. about 11 c. c. of spinal fluid was withdrawn. Cultures were made in fermentation tubes and found to be sterile.

Monkey No. 3; female rhesus. At 12.10 p. m. inoculated with 6 c. c. of the defibrinated blood intraperitoneally.

Monkey No. 4; male rhesus. At 12.05 p. m. inoculated with 6 c. c. of the defibrinated blood intraperitoneally.

Monkey No. 5; female rhesus. At 11.55 a. m. inoculated with 10 c. c. of the spinal fluid intraperitoneally.

Daily temperatures were taken of all three of the monkeys until October 21, 1910, when the taking of temperatures was discontinued. The observations, however, were continued until about March 1, 1911.

None of the monkeys presented anything worthy of note, except that it was thought about September 15 that monkey No. 3 showed a slight reddening of the skin in the region of the eyebrows. This, however, lasted only a few days.

During the entire time the monkeys were kept under observation they were in a well-lighted room and exposed to a certain amount of sunlight on bright days. Their food was that given the other monkeys in the laboratory, it not being considered advisable to make any change in their diet, as the question it was wished to determine by the inoculation of the fluids from the cases of pellagra was as to whether the blood or the spinal fluid from such cases, when inoculated into monkeys, was able to produce pellagra in these animals.

Summary.—The blood from two cases of pellagra and the spinal fluid from one of them were not infective for the rhesus monkeys.

Interpretation.—The foregoing result permits of several interpretations. Thus it may be (1) that the rhesus monkey is not susceptible to pellagra; or (2) if susceptible (a), that our technique in some respect was faulty or (b) that while the technique was adequate the infective agent was not present in the blood nor in the spinal fluid at that stage of the disease.

Extending this last interpretation, one may suspect that the infective agent in pellagra never resides in the blood or spinal fluid.

A final conclusion, however, is not justified.

We desire to extend our thanks to Drs. Edwin B. Behrend and J. D. Thomas for their courtesy in permitting us to study these two cases of pellagra.

A NOTE ON THE INOCULATION OF THE RHESUS MONKEY WITH BLOOD, SPINAL FLUID, AND NERVOUS TISSUE FROM PELLAGRINS.

By C. H. LAVINDER, Passed Assistant Surgeon.

[From the Hygienic Laboratory, Washington, D. C.]

While pellagra, by the most earnest students of its etiology, has been, and still is, regarded as belonging to the class of food poisonings, allied to ergotism or beriberi, there are nevertheless not wanting those who have urged that the disease may be due to a parasitic microorganism.

Impressed with the lack of experimental work upon the higher animals, certain experiments, which are recorded below, were undertaken for the purpose of trying to determine whether pellagra might be transmitted to monkeys by the inoculation of certain body fluids or tissues taken from pellagrins. The animals used were nine young *Macacus rhesus* monkeys, all apparently in good condition.

Monkey No. 1. November 3, 1910, received intraperitoneally 7.5 c. c. of defibrinated blood drawn from an arm vein of A. L.

Monkey No. 2. November 3, 1910, received intraperitoneally 10 c. c. whole blood, drawn from an arm vein of M. R.

Monkey No. 3. November 3, 1910, received intraperitoneally 7 c. c. defibrinated blood, drawn from an arm vein of M. J.

Monkey No. 4. November 4, 1910, received intraperitoneally 10 c. c. clear spinal fluid, drawn from M. J.

Monkey No. 5. November 5, 1910, received intraperitoneally 3.5 c. c. slightly blood-tinged, spinal fluid, drawn from A. L.

Monkey No. 6. November 5, 1910, received intraperitoneally 10 c. c. very slightly cloudy, spinal fluid, drawn from D. W.

Monkey No. 7. November 8, 1910, received subdurally 0.5 c. c. of an emulsion of spinal cord, removed from the body of M. J. More properly speaking, the injection was made intracerebrally; the skull, after incising the skin, was punctured and the emulsion injected directly into the cerebrum. The emulsion was made by rubbing up a piece of the dorsal portion of the spinal cord in a small quantity of physiologic salt solution. The cord, removed very shortly after death, had been preserved in sterile glycerine for 28 hours when used.

Monkey No. 8. November 8, 1910, received subdurally (as above) 0.5 c. c. of the same emulsion as monkey No. 7, and at the same time intraperitoneally 3 c. c. of the same emulsion.

Monkey No. 9. November 8, 1910, received subdurally (as above) 0.5 c. c. of an emulsion of a piece of the same dorsal cord as used in monkeys Nos. 7 and 8, made in the same way, but this piece of cord had been preserved, when used, for 28 hours in equal parts of sterile glycerine and physiologic salt solution.

Glucose bouillon fermentation tubes were inoculated from the emulsion used in monkeys Nos. 7, 8, and 9 at the time the injections were made. The piece of cord preserved in glycerine gave a growth of what appeared to be an ordinary *staphylococcus*; subcultures on agar and bouillon confirmed this. The tubes inoculated from the emulsion of the cord preserved in equal parts of glycerine and salt solution remained sterile.

The cases from which the blood and spinal fluid were secured were all marked cases of pellagra displaying all the acute phenomena of the disease, including marked erythemas of both the "wet" and "dry" forms. All were alienated and had probably suffered from the disease for some months or longer. The case from which the pieces of spinal cord were derived had terminated, presenting a typical picture of so-called typhoid pellagra.

The monkeys were kept in small wire cages on the ordinary laboratory diet, and care was taken that at least some of the cages should be exposed daily to as much direct sunlight as possible. Temperatures of all monkeys were taken daily for several weeks, and they have now been kept under observation for about six months. Not one of them has displayed any change worthy of note.

Grateful acknowledgment is due Dr. J. W. Babcock for permission to make use of material and for generous assistance, and to Dr. E. B. Saunders also for valuable assistance.

CEREBROSPINAL MENINGITIS IN GREECE.

Report by T. J. FELTSOS, Acting Assistant Surgeon, United States Public Health and Marine-Hospital Service, Athens, Greece.

Pursuant to Bureau instructions of April 20, 1911, in connection with the prevalence of cerebrospinal meningitis in Greece, I have collected the following on the subject:

HISTORY OF THE DISEASE.

In a treatise published by Dr. Savas, professor of hygiene and microbiology in the University of Athens, it is shown that the disease first made its appearance in Greece in 1843. From that year to 1868 a number of cases occurred at different periods in various districts, but the first epidemic was marked during the winter of 1868-9, when a large number of cases occurred. After that the disease gradually disappeared, a few sporadic cases only occurring from time to time. Since the year 1881, however, the disease has been epidemic, particularly during the winter and spring.

EPIDEMIC OF 1910-11.

The present epidemic first broke out in Athens toward the end of November, 1910, and little by little spread throughout the whole of Greece. It attained its maximum force during February. It then began gradually to subside and has continued to decline to the present date. A few cases now occur from time to time in Athens and Piraeus and in some of the districts near Athens, as Megara, Levadia, Lamia, also in the Province of Thessaly. The disease has practically disappeared from the Peloponnesus, no case having been heard of there for about a month with the exception of the village of Mavrovouni near Calamata and the Province of Triphyllia, where cases of the disease have been reported recently.

The large number of cases this year has been attributed to the exceptionally severe winter. Toward the end of March, following a change of the weather to mild, the disease had to a certain extent

subsided, when it suddenly and inexplicably returned as virulent as ever. Then it again commenced to subside gradually.

The Government board of public health issued a circular of instructions relative to measures for preventing the spread of the disease and the disinfection of the houses and clothing of the patients.

The only general measure which was taken throughout Greece was the closing of the schools.

The number of cases of cerebrospinal meningitis officially reported in Athens is 400. However, physicians are not obliged to report cases under their care, so that it is possible there was a greater number.

The case mortality rate before the use of serum was about 58–60 per cent. It is now reduced to 20–22 per cent in the Hospital Evangelismos, according to information given by the director, Dr. A. Christomanos, and to 16–18 per cent in the town. Deaths from the disease were reported in Athens as follows:

December, 1910, 18 deaths; January, 1911, 26; February, 49; March, 39; April, 35; May 1–12, 11.

NOTE.—The dates named are for the Julian or old style calendar and are in each case 13 days earlier than the same date for the calendar in ordinary use.

UNITED STATES.

MUNICIPAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO PUBLIC HYGIENE.

[Adopted since Jan. 1, 1910.]

TAMPA, FLA.

**MILK—REGULATION OF PRODUCTION, CARE, AND SALE—APPOINTMENT OF PURE-FOOD,
MEAT, MILK, AND DAIRY INSPECTOR AND ASSISTANTS.**

SECTION 1. The mayor of the city of Tampa shall appoint, and the city council confirm, some suitable person, who shall have had some experience and training in this capacity, as pure food, meat, milk, and dairy inspector, who shall hold office for a period of two years, or until his successor is appointed.

SEC. 2. It shall be the duty of the pure-food, meat, milk, and dairy inspector to see that all the laws and ordinances of the city relating to the inspection of meats, fruit and vegetables, milk, and food offered for sale are carried out. He shall be particularly charged with the duty of enforcing the laws of the city relating to dairies, adulterated foods, and slaughterhouses, and he shall perform all the duties required of him by the laws and ordinances of the said city.

SEC. 3. He shall make monthly written reports to the mayor and the city council of the work done in his department.

SEC. 4. The mayor shall appoint, and the city council confirm, from time to time as may be required, assistants to the pure-food, meat, milk, and dairy inspector, who shall receive such compensation as may be fixed by the city council.

SEC. 5. Each person, firm, or corporation desiring to sell or in any manner to dispose of milk within the city of Tampa shall, before engaging in such business, make application to the office of the pure-food, meat, milk, and dairy inspector for a permit for that purpose, and shall furnish him with a certificate in writing of the number of cows owned or used by him or it in the production of such milk or butter, and the location of the barns, sheds, and stalls in which said cows are fed and milked. And it shall be the duty of the said inspector thereupon to inspect the barns, sheds, stalls, and premises in which said cows are kept, fed, and milked, and to examine, inspect, and test said cows for disease, and if it be ascertained by the said inspector or his assistants that said barns, sheds, and stalls are kept properly constructed and kept as hereinafter provided, and that the said cows are free from injury and disease, as hereinafter provided, it shall be the duty of the said inspector to issue a permit to the applicant to sell milk in the city, for which permit no charge shall be made. Said applicant shall immediately notify the inspector in writing when any additional cows are added to his herd.

SEC. 6. Each person, firm, or corporation who desires to sell or dispose of any milk in any way in the city of Tampa, where said milk is not produced from cows owned or used by him or it, shall before engaging in such business make application at the office of the pure food, meat, milk, and dairy inspector for a permit for that purpose, and shall furnish him with a certificate in writing from a qualified veterinarian, sworn to and subscribed before any person qualified to administer oaths, said certificate showing that said cows producing said milk are free from all injury or disease that would affect the milk, especially any diseases that are communicable to man or produce elevation of systematic temperature, such as tuberculosis (determined by tuberculin test), anthrax, Texas fever, pneumonia, parturient apoplexy (milk fever), malignant catarrh, and all such diseases; and that the veterinarian has examined, entered, and inspected the dairy from which said milk is supplied, and that, in his opinion, the barns, sheds, and stalls in which each cow of the said dairy is fed and milked are properly ventilated, drained, lighted, and cleaned, and that in the

dwelling house or houses of the said premise or premises, who milk said cows or prepare said milk for market there is no typhoid fever or other disease that is likely to be communicated to persons using said milk. In addition to such certificate such person, firm, or corporation shall be required to file with said inspector an affidavit made before any person authorized to administer oaths that to the best of his knowledge, information, and belief the certificate of the veterinarian furnished applies to all cows furnishing milk which is sold or disposed of by said person, firm, or corporation, and it shall be the duty of the pure food, meat, milk, and dairy inspector thereupon to issue the said person, firm, or corporation a permit for the sale of milk within the said city of Tampa, for which permit no charge shall be made.

SEC. 7. If at any time any person, firm, or corporation, who has obtained a permit under the next preceding section desires to sell or otherwise dispose of any milk produced from cows whether included in the affidavit furnished, or not, which are not kept on the premises described in the affidavit furnished, it shall be the duty of the said person, firm, or corporation to furnish an affidavit and certificate as outlined in the next preceding section, covering said cows and said premises before selling or disposing of any of the said milk in the city: *Provided, however*, That the sixth and seventh sections of this ordinance shall not apply to any person, firm, or corporation who is acting simply and solely as the salesman or agent of any person, firm, or corporation who has obtained a permit under the fifth section of this ordinance: *Provided, further*, That when any person, firm, or corporation deals in milk sold or disposed of in any way to him or it, by any person, firm, or corporation who has obtained a permit under the fifth section of this ordinance as to such milk, a copy of such permit may be presented to the pure food, meat, milk, and dairy inspector, and shall be by him accepted in lieu of the veterinarian's certificate required by this ordinance.

SEC. 8. An affidavit of any duly authorized agent of any corporation shall be a sufficient affidavit for the corporation under the provisions of this ordinance. If an affidavit is to be made by a firm, the same shall be made by a member of the firm.

SEC. 9. Any person, firm, or corporation who has obtained a permit under the sixth and seventh sections of this ordinance, or either of them, must obtain additional, new, or fresh certificate or certificates of veterinarian, or affidavit or affidavits at any time on demand of the pure food, meat, milk, and dairy inspector, and upon failure within 10 days after demand in writing from the said inspector to obtain and furnish to him said certificate or certificates and affidavits, any or all, the permit provided for in this ordinance shall be ipso facto forfeited.

SEC. 10. Any person, firm, or corporation who sells or otherwise disposes of milk in this city without a permit shall for each separate offense be fined not more than \$100, and may be imprisoned not exceeding 90 days, one or both.

SEC. 11. The permit provided for in this ordinance shall not entitle any person, firm, or corporation to sell or otherwise dispose of milk in the city without a license, but no license shall be issued to carry on such business, except upon the production of such permit as well as to pay said license fee. The issuance of the permit by the pure food, meat, milk, and dairy inspector shall not create a vested right to do business in the city. The city council hereby reserves the right to renounce the same at any time upon failure or neglect of the party obtaining the same to comply with the terms, provisions, and requirements of this ordinance. Regulations shall be made from time to time as may be deemed advisable by the inspector, who shall report the result of such regulations to the mayor and city council.

SEC. 12. Any person, firm, or corporation who knowingly sells or disposes of milk in any way in the city of Tampa produced from cows not included in the permit as provided for in this ordinance, or from cows whether so included or not, which are not kept, fed, and milked in barns, sheds, or stalls, or premises included in a permit, as provided for in this ordinance, shall be punished as hereinafter provided.

SEC. 13. No person, firm, or corporation shall sell, barter, or offer for sale or barter within the city or the police jurisdiction thereof, any milk which contains more than 87.5 per cent of water, or less than 3.5 per cent of butter fat, and the specific gravity of which at 60° F. shall be between 1.029 and 1.033; all milk of lower grade and quality than specified by this section shall be taken and condemned as adulterated and impure by the pure food, meat, milk, and dairy inspector or his assistants, and the vendor thereof punished as hereinafter provided.

SEC. 14. It shall be unlawful for any person, firm, or corporation, or their servants or agents to sell, exchange, or to have in his or its possession or custody, with the intention to sell or exchange, or expose or offer for sale as pure milk any milk from which the cream or any part thereof has been removed, and all such milk from which the cream or any part thereof has been removed shall be plainly labeled and marked "skimmed milk." Any person or firm or corporation violating the provisions of this section shall be punished as hereinafter provided.

SEC. 15. No person, firm, or corporation shall sell, barter, or offer for sale or barter within the city or within the police jurisdiction thereof, any cream which contains less than 18 per cent of butter fat, and all cream of lower grade and quality than that specified in this section shall be taken and condemned as adulterated and impure by the pure food, meat, milk, and dairy inspector or his assistants, and the vendor thereof punished as hereinafter provided.

SEC. 16. It shall be unlawful to sell or barter, or offer for sale or barter within the city or police jurisdiction thereof any butter which is not made from pure milk or cream; the same shall be free from all chemicals or adulterations and shall comply in all respects with the requirements of the pure-food laws of the State of Florida, and of the United States of America, and any violation of this section shall be punished as hereinafter provided.

SEC. 17. Skimmed milk or separated milk that is sold, bartered, or offered for sale or barter within the city or police jurisdiction thereof by any person, firm, or corporation shall contain not less than 9 per cent of milk solids exclusive of butter fat and shall be plainly labeled "skimmed milk," and all buttermilk shall contain not less than 8.5 per cent of milk solids exclusive of butter fat, and all such milk of lower grade and quality than specified in this section shall be taken and condemned as adulterated and impure by the pure food, meat, milk, and dairy inspector or his assistants, and the vendor punished as hereinafter provided.

SEC. 18. It shall be unlawful to add to milk intended for sale or barter in the city or within the police jurisdiction thereof any chalk, borax, salicylate of soda, ice, water, or other substance or fluid, and it shall be unlawful to sell or barter or offer for sale or barter any milk which has been added to or adulterated as aforesaid, or any impure, adulterated, or unwholesome milk. Any violation of this section shall be punished as hereinafter provided.

SEC. 19. All milk which has been added to or adulterated in any manner as described in the next preceding section shall be taken and condemned as adulterated and impure and the vendor thereof punished as hereinafter provided.

SEC. 20. No person, firm, or corporation shall sell or in any manner dispose of milk or cream in the city produced from cows which are not used from a dairy situated in Hillsboro County, Fla., unless said cows have been tested by a qualified veterinarian with tuberculin for tuberculosis, and a certificate of such fact sworn to before some person authorized to administer oaths has been furnished the inspector; and it shall be unlawful for any person, firm, or corporation to sell or in any manner dispose of milk produced from any cow not so tested. Any violation of this section shall be punished as hereinafter provided.

SEC. 21. The inspector or assistant inspectors shall have the right at any time to enter, examine, and inspect any dairy situated in Hillsboro County, Fla., the owner of which sells or in any manner disposes of milk in the city of Tampa, and to examine, inspect, and test for disease any cow connected with or belonging to the owner or proprietor of such dairy. For any interference with or hindrance of the said inspector or assistants by the owner, proprietor, or his agents the permit provided for by this ordinance shall be, upon the conviction of such owner, proprietor, or agent, for such offense, ipso facto forfeited; any person so hindering or preventing the pure-food, meat, milk, and dairy inspector or his assistants shall be punished as hereinafter provided.

SEC. 22. Cows which produce milk for the Tampa market shall be free from all injury and diseases which would affect the milk, especially all diseases which are communicable to man or produce elevation of systematic temperature, such as tuberculosis, anthrax, Texas fever, pneumonia, parturient apoplexy (milk fever), malignant catarrh, and all such diseases, and it shall be unlawful to sell, barter, or offer for sale or barter milk in the city of Tampa or within the police jurisdiction thereof, from any cows which are not free from all such injury or disease, and any violation of this section shall be punished as hereinafter provided.

SEC. 23. No milk shall be used from a dairy situated in the county of Hillsboro, the owner of which sells or in any manner disposes of milk in the city of Tampa, unless said cows have been tested by the pure food, meat, milk, and dairy inspector or his assistants with tuberculin for tuberculosis. All dairy cows so tested shall be marked in the ear with a tag bearing a serial number and "Tampa, Fla.," and such cow may be retested as aforesaid as the inspector may deem it necessary. And it shall be unlawful to sell or in any manner dispose of milk in the city from any cows which have not been so tested. The owner of said cow or cows so inspected for tuberculosis shall pay the said inspector the sum of \$3 for the first cow inspected and 25 cents for each additional cow so inspected, which said sum shall be paid at the time of inspection. Any violation of this section shall be punished as hereinafter provided.

SEC. 24. The pure food, meat, milk, and dairy inspector, or his assistants, shall have the right to enter, examine, and inspect any place within the city of Tampa, or within the police jurisdiction thereof, where milk is sold, bartered, or offered for sale or bartered, and to inspect and examine, at any time and at any place, any of the said milk. For any interference with or hindrance of the said inspector, or his assistants, by the owner or proprietor, or his agent, the permit provided for in this ordinance shall be revoked, and any person so hindering or preventing the said inspector or his assistants shall be punished as hereinafter provided.

SEC. 25. Dairy cows producing milk for the Tampa market shall not be fed distillery waste, "swill," or any substance in a state of putrefaction or rottenness, or any other substance that is unwholesome or that will in any way affect the healthfulness of the milk; and any person, firm, or corporation who sells milk in the city of Tampa or within the police jurisdiction thereof produced from cows that are fed on distillery waste, or any substance in a state of putrefaction, or containing any substance that is unwholesome, or that will in any way affect the healthfulness of the milk shall be punished as hereinafter provided.

SEC. 26. Each cow used in the production of milk for sale or disposal in the city of Tampa and kept in Hillsboro County, shall be allowed free movement in the open air at least 6 hours each day. The barns, sheds, stalls, and premises in which the cows are fed and milked shall be properly ventilated, lighted, drained, and cleaned, all of which shall be subject to inspection by the pure food, meat, milk, and dairy inspector or his assistants. And any person, firm, or corporation selling, bartering, or offering for sale or barter, milk produced from cows kept in violation of the provisions of this ordinance shall be punished as hereinafter provided.

SEC. 27. If any owner of a dairy situated in Hillsboro County, who sells or in any manner disposes of milk in the city, upon the written demand of the pure food, meat, milk, and dairy inspector fails to properly ventilate, light, drain, or clean, within 10 days, any barn, shed, stalls, or premises in which any cow used for the production of milk for sale or barter is fed and milked, the permit provided for in this ordinance, as well as the license to do business, is ipso facto forfeited.

SEC. 28. If, upon inspection of the pure-food, meat, milk, and dairy inspector or his assistants, as provided for in this ordinance, it is ascertained that any milk cow kept or owned or used in any dairy or on the premises of any dairyman who sells or otherwise disposes of milk within the city has the disease of tuberculosis, it shall be the duty of the said inspector or his assistants to notify the owner of this fact; provided, that the owner of any cow so found by the inspector to have the disease of tuberculosis shall have the right to call a competent veterinarian, who together with the said inspector shall select a third person, and the three shall reexamine said cow or cows, and if a majority of those examining find that the said cow or cows are so diseased the same shall be disposed of as hereinafter provided, and should a majority not so find that said cow or cows are so diseased they shall not be so disposed of.

SEC. 29. It shall be the duty of the owner upon receiving notice from the inspector that any cow belonging to him and used in a dairy or kept on his premises is diseased with tuberculosis to immediately remove the said cow from said premises, or to kill or otherwise dispose of her.

SEC. 30. If any owner of a dairy fails to remove, kill, or otherwise dispose of a tuberculous cow on receipt of notice from the pure food, meat, milk, and dairy inspector, or his assistants, as provided for in this ordinance, and, after receiving said notice, sells within the corporate limits of the city of Tampa any milk or butter produced from cows owned or used by him, which are fed or milked in any of the barns, sheds, or stalls in which said tuberculous cow is kept, or which are kept on the premises with any tuberculous cow, he shall be punished as hereinafter provided.

SEC. 31. Upon disposing of any diseased cow, as required by this ordinance, the owner shall at once notify the inspector in writing what disposition has been made of the said cow; any violation of this section shall be punished as hereinafter provided.

SEC. 32. Each wagon used in the delivery of milk shall have the name of the owner or proprietor, and the number of the permit under which the business is conducted, painted thereon in prominent letters. All such wagons shall be provided with covers and shall be neat and clean, the interior of such wagons being scrubbed with soap and hot water at least twice per week. The wagons shall be kept neatly painted. No vegetable or waste products shall at any time be hauled in any wagon used for the transportation of milk.

SEC. 33. Dairy men who wish to put a milk of exceptional excellence on the market may be allowed to use the words "certified milk" on their labels, provided that they shall receive from the inspector and the city board of health a certificate of the unusual excellence of said milk, and the inspector shall upon request give such certificate if the conditions respecting such milk hereinafter specified are found to exist. But under

no other circumstances shall such or any other labels likely to mislead the purchaser appear on packages containing milk. All milk sold as sterilized milk shall at all times prove to be such, and dealers purporting to sell sterilized milk shall be suspended from business should their milk be proven not to be sterile. Certified milk shall not contain over 20,000 bacteria per cubic centimeter, and shall at no time contain pathogenic germs; it shall contain 4 per cent of butter fat and other customary ingredients in proportion; it shall not be delivered to customers at a higher temperature than 50° F., and shall always be delivered in sealed packages, and so sealed with a special seal labeled "certified milk." Barn and milk house shall be provided with cement floor or floors of sound heart boards, laid so as to be water tight, and there shall be arrangements of water under pressure to flush said barn and milk house. There shall also be arrangements for steam sterilization of all cans and bottles.

Dealers in certified milk shall be governed by the general rules laid down in preceding sections of this ordinance.

SEC. 34. All applications for license to establish and conduct a dairy depot shall be approved by the pure-food, meat, milk, and dairy inspector before such license is issued.

Any person, firm, or corporation conducting a dairy depot, restaurant, or other place in which milk is sold or otherwise disposed of in this city shall at all times maintain such place or premises in a strictly sanitary condition, such places to be open for inspection at all times during business hours. All ice boxes and refrigerators in which milk is kept shall be kept in a sanitary condition, being scrubbed at least once in each week, said boxes to be drained according to the direction of the inspector. There shall be no closets, hog pens, or quarters for other animals or fowls closer than 100 feet from such dairy depot or place where milk is sold: *Provided*, That this shall not apply to a water-closet properly connected with the city sewerage system, and maintained in a clean, sanitary condition.

Any person conducting a dairy depot or restaurant, or other place in which milk is sold or otherwise disposed of in the city, shall report within 24 hours to the city health officer any illness of any kind whatsoever occurring in his family or among his employees or any person connected with his business in any way, giving name and address of the attending physician. The city health officer shall have the power to suspend temporarily the business of any such place if he deems such action necessary to protect the public health against infection from such case of illness. Milk and cream disposed of in such place shall come up to the standard set forth in the sections of this ordinance.

SEC. 35. In addition to the rules and regulations hereinbefore set out, all persons selling or offering to sell milk in the city, or the police jurisdiction thereof, shall observe and comply with the following requirements:

First. No milk shall be delivered to customers or at any milk depot at a higher temperature than 65° F.

Second. No milk shall be bottled except at a dairy or properly equipped dairy depot, and measures for milk and all milk receptacles shall be kept when not in use in such manner as to be protected from dirt and flies.

Third. No milk shall be strained in a barn or in any other place where the milk will be liable to become contaminated.

Fourth. Every dairy shall be provided with an aerator of approved type, over which milk shall be poured as it is strained, said aerator to be filled with cold water or ice.

Fifth. Dairy cattle shall be prohibited from running on pastures that contain streams, ponds, or other water that shall be found to be contaminated with sewage.

Sixth. Every cow shall have the teats and udder well cleaned before each milking, and all milkers shall wear at each milking overalls or clothing that are clean; each milker shall clean his or her hands thoroughly with soap and water immediately before milking.

Seventh. No milk shall be sold which contains more than 500,000 bacteria per cubic centimeter, and dairy or dairymen whose milk shall be found continually contaminated with pathogenic germs shall be suspended from selling milk in the city, and shall not be allowed to again put his milk on the market until he has procured permission to do so from the pure food, meat, milk, and dairy inspector.

Eighth. Every dairy shall report within 24 hours to the city health officer any case of illness occurring among his family, employees, or any other person connected in any way with his business, giving name of the attending physician. The city health officer shall be empowered to suspend temporarily the business of such dairy, if he thinks such measures necessary to protect the public health, owing to the danger of such infection from such existing illness.

Ninth. All dairy barns shall be properly floored with cement or sound-heart boards, water-tight, and the interior of every barn shall be given a coat of whitewash within 60 days after the passage of this ordinance and in the month of May of each year thereafter.

Tenth. No closets, hog pens, or quarters for other animals or fowls other than a dairy herd shall be allowed closer than 100 feet to such dairy barn, excepting, however, stalls for horses and mules, provided same are separated from dairy barn to the satisfaction of the inspector and are kept in a clean condition.

Eleventh. Every dairyman shall be required to keep his barn adjacent to his lot free from manure, droppings from the cows being gathered once daily, piled in an inclosure not closer than 100 feet to the dairy barn, milk house, or source of water supply, and said lot shall also be kept free from stagnant water and all other objectionable material. All fresh manure placed on the compost heap to be properly limed. All wells, springs, or cisterns supplying water shall be so constructed or situated as to satisfy the inspector it is reasonably free from any source of possible infection.

Twelfth. Each dairy shall be provided with a properly constructed milk house, provided with wire screens for doors and windows and ample arrangements for heating water. Each milk house shall be constructed in such manner that the floors and walls shall be easily cleaned, and shall be kept neat and clean and shall not be used for any other purpose than handling milk or milk products; the said milk house shall have a properly-constructed sink, at which bottles, cans, and other utensils used in handling milk may be washed, and shall be provided with a drain pipe carrying all waste water at least 100 feet from the milk house, water supply, and barn. Said milk house shall be at least 10 feet from any cow stall or stable.

SEC. 36. All milk shall be delivered to customers, other than to milk depots, in bottles, or proper milk receptacles, and shall be bottled or canned before leaving the dairy, and shall be delivered in the bottle or can in which originally placed at the dairy.

SEC. 37. The salary of the pure food, meat, milk, and dairy inspector shall be \$100 per month, and the salary of all assistant inspectors shall be \$75 per month.

SEC. 38. All persons, firms, or corporations owing more than one cow, who sell or barter, or offer for sale or barter any milk within the city shall under the provision of this ordinance be considered a dairy, and subject to all the provisions thereof: *Provided*, That this ordinance shall not apply to widows dependent upon their own exertions for a living, who do not keep more than three cows: *Provided, however*, That section 23 of this ordinance shall apply to every cow from which milk is sold in the city.

SEC. 39. No milk cow shall be sold or offered for sale within the city limits of the city of Tampa or be brought within or to be used within the city limits of the city of Tampa, as a milk cow, until said cow or cows have been inspected by the pure food, meat, milk, and dairy inspector, as provided for in this ordinance, and the vendor of any such cow or cows shall furnish said certificate with each cow sold.

SEC. 40. It shall be the duty of the pure-food, meat, milk, and dairy inspector to report to the chief of police of the city of Tampa any milk bottles or receptacles found in the possession of any person or persons other than the owner or agent of the owner of the said bottles or receptacles.

SEC. 41. It shall be unlawful for any person, firm, or corporation who sells or delivers milk in bottles in the city of Tampa, to remove or accept such milk bottles from the person to whom or the premises where delivered, where there is any case of infectious disease on said premises. All such bottles shall be disinfected under the personal supervision of some health official of the city. All persons receiving milk on any such premises shall furnish proper receptacles for said dairyman into which the milk shall be poured from the original bottle.

SEC. 42. The person or persons in charge or control of such premises shall be responsible for such infection, and it shall be his or her duty to communicate the presence of such bottles to the city health officer or some other health official.

SEC. 43. The pure food, meat, milk and dairy inspector shall, before entering upon his duties, give a good and sufficient bond to the city of Tampa in the sum of \$1,000 for the faithful performance of his duties. Every assistant inspector shall enter into a good and sufficient bond to the city of Tampa in the sum of \$500 for the faithful performance of his duties. The said inspector and each assistant shall deposit with the city treasurer at the end of each month all funds or moneys collected by them or either of them under the provision of this ordinance.

SEC. 44. The following sections of the code of the city of Tampa be, and the same are hereby, repealed, viz: Sections 192 to 195, inclusive, 200 to 207, inclusive, 209 and 211, and the following sections of the code shall be and remain in full force and effect, viz: 190, 191, 196, 197, 198, 199, 208, 210, and 212.

SEC. 45. Each violation of or failure to comply with any provisions of this ordinance shall be punished by a fine of not more than \$200 or by imprisonment for a term not exceeding 90 days, one or both. [Ordinance approved Sept. 9, 1910.]

LEPROSY IN THE UNITED STATES.

FLORIDA.

Dr. J. Y. Porter, State health officer, reports that during the week ended June 10, 2 cases of leprosy were reported in the State of Florida, one at Jacksonville and one at Key West.

KANSAS.

Dr. S. J. Crumbine, secretary of the Kansas State Board of Health, reported on June 19 that a case of leprosy had been discovered in Sedgwick County, Kans., in the person of an alien who had lived in this country for about two years as a railroad laborer. The patient is a native of Mexico. His family history is negative. The disease is characterized by nodules distributed over the body. The nails of the right hand show trophic disturbances. The nodules are prominent on the face and in the mouth, especially over the hard palate. The feet have perforating ulcers at the base of the toes. The patient is well enough to do light work except for the soreness of the feet. Microscopical examination showed lepra bacilli in excised nodules.

CHOLERA.

Cholera and Cholera Carrier at Quarantine.

Dr. A. H. Doty, health officer of the port of New York, reported June 24 that a case of cholera developed June 23 among the detained passengers of the steamship *Duca degli Abruzzi*, which arrived at New York June 20.

Dr. Doty further reported on the same date that a passenger removed from the steamship *Laura* had been found to be unquestionably a cholera carrier. The patient had embarked at Patras, Greece.

NOTE.—In this connection the American consul general at Athens states that no cholera is reported present in Greece. The *Laura* sailed June 5 from Patras for Palermo and from that port June 7 for New York.

Reports Received from June 14 to June 30, 1911.

Place.	Date.	Cases.	Deaths.	Remarks.
New York: New York quarantine.....	June 14-23.....	6	.....	One case June 14 from s. s. Europa from Naples, five cases June 20-23 from s. s. Duca degli Abruzzi from Genoa, Naples, and Madeira.

MEASURES AGAINST IMPORTATION OF CHOLERA.

Cholera is reported present in Naples and Palermo. The United States quarantine regulations are being enforced by medical officers of the service at both ports. In addition, Surg. Eager has been detailed for duty at Palermo, sailing from New York June 20.

The following instructions were wired June 21 to the quarantine officers on the Atlantic and Gulf coasts:

Careful inspection necessary, particularly for atypical cases or bacillus carriers and concealed food, persons and baggage.

On the same date the following instructions were wired to officers engaged in the medical inspection of arriving aliens under the immigration laws at Quebec, Boston, New York, Philadelphia, and Baltimore:

Notwithstanding quarantine inspection, you are directed to give special care to immigrants as they pass your line, to detect any possible case of bacillus carrier or atypical case cholera which may have escaped quarantine inspection. Pay especial attention to concealed food, which is forbidden by quarantine regulations. Acknowledge by mail.

PLAGUE-PREVENTION WORK.**INFECTED GROUND SQUIRRELS.**

During the week ended June 10, 1911, the finding of plague-infected ground squirrels was reported as follows: In Merced County, Cal., June 1, at Haloway ranch, 4 miles south of Los Banos, 1 squirrel; in San Benito County, Cal., June 8, at J. Cornwell ranch, 3 miles southwest of San Benito, 1 squirrel; and in Stanislaus County, Cal., May 31, at Gomez ranch, 7½ miles southwest of Crows Landing, 1 squirrel, and June 2, at Bank of California ranch, 9½ miles southwest of Crows Landing, 1 squirrel.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California on San Francisco Bay, 580 acres of land in Alameda County were covered with poison during the week ended June 10, 1911.

Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California:				
Cities—				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Oct. 26, 1909.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 28, 1907.....	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	do.....	Aug. 21, 1908.....	1 squirrel.
Counties—				
Alameda (exclusive of Oakland and Berkeley).	Sept. 26, 1909.....	Wood rat, Oct. 17, 1909.	May 24, 1911.....	103 squirrels; 1 wood rat.
Contra Costa.....	July 21, 1908.....	None.....	Apr. 3, 1911.....	248 squirrels.
Merced.....	None.....	do.....	June 1, 1911.....	4 squirrels.
Monterey.....	do.....	do.....	June 6, 1910.....	Do.
San Benito.....	June 5, 1910.....	do.....	June 8, 1911.....	21 squirrels.
San Joaquin.....	None.....	do.....	May 17, 1911.....	15 squirrels.
San Luis Obispo.....	do.....	do.....	Jan. 29, 1910.....	1 squirrel.
Santa Clara.....	Aug. 23, 1910.....	do.....	Oct. 5, 1910.....	23 squirrels.
Santa Cruz.....	None.....	do.....	May 17, 1910.....	3 squirrels.
Stanislaus.....	do.....	do.....	June 2, 1911.....	13 squirrels.
Washington:				
Cities—				
Seattle.....	Oct. 30, 1907.....	Feb. 8, 1910.....	None.....	22 rats.

Rats Collected and Examined for Plague Infection.

Places.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
California:					
Cities—					
Berkeley.....	May 27		¹ 150	111	.....
Oakland.....	do.....	44	² 686	527	.....
San Francisco.....	do.....	29	³ 1,652	1,123	.....
Counties—					
Madera.....	do.....		⁴ 8	8	.....
Washington:					
Cities—					
Seattle.....	do.....		819	704	.....
Total.....		73	3,315	1,769	.....

¹ Identified, *Mus norvegicus* 121, *Mus musculus* 29.² Identified, *Mus norvegicus* 630, *Mus musculus* 55, *Mus rattus* 1.³ Identified, *Mus norvegicus* 1003, *Mus musculus* 329, *Mus rattus* 179, *Mus alexandrinus* 141.⁴ Identified, *Mus norvegicus* 1, *Mus musculus* 7.

Squirrels Collected and Examined for Plague Infection.

Places.	Week ended—	Shot or trapped.	Found dead.	Examined.	Found infected.
California:					
Cities—					
San Francisco.....	May 27..	10		8	.....
Counties—					
Alameda.....	do.....	247	10	257	.....
Amador.....	do.....	15		15	.....
Calaveras.....	do.....	107		107	.....
Colusa.....	do.....	136		136	.....
Contra Costa.....	do.....	128		128	.....
El Dorado.....	do.....	40		40	.....
Fresno.....	do.....	178		175	.....
Glenn.....	do.....	181		181	.....
Lake.....	do.....	171		171	.....
Los Angeles.....	do.....	334		327	.....
Madera.....	do.....	68		68	.....
Mariposa.....	do.....	57		57	.....
Mendocino.....	do.....	152	7	159	.....
Merced.....	do.....	370		370	1
Monterey.....	do.....	1,261		1,240	.....
Nevada.....	do.....	19		19	.....
Plumas.....	do.....	9		9	.....
Riverside.....	do.....	373		370	.....
San Benito.....	do.....	115		115	1
San Joaquin.....	do.....	260		260	.....
San Luis Obispo.....	do.....	546		546	.....
San Mateo.....	do.....	128		128	.....
Santa Clara.....	do.....	137		137	.....
Siskiyou.....	do.....	159		159	.....
Sonoma.....	do.....	35		35	.....
Stanislaus.....	do.....	465		465	2
Sutter.....	do.....	53		53	.....
Tehama.....	do.....	46		46	.....
Tuolumne.....	do.....	5		5	.....
Yolo.....	do.....	168		168	.....
Total.....		6,000	17	5,954	4

Other Animals Collected and Examined.

Places.	Week ended—	Animals collected.	Examined.	Found infected.
California:				
Cities—				
San Francisco.....	May 27..	3 gophers, 1 weasel, 2 field mice.	3	.....
Counties—				
Colusa.....	do.	3 gophers.....	3	.....
Fresno.....	do.	2 rabbits, 1 owl.....	2	.....
Glenn.....	do.	3 rabbits.....	3	.....
Lake.....	do.	1 rabbit, 3 chipmunks.....	4	.....
Los Angeles.....	do.	3 rabbits.....	3	.....
Merced.....	do.	7 rabbits.....	7	.....
Monterey.....	do.	1 rabbit.....	1	.....
Riverside.....	do.	1 rabbit, 3 wood rats.....	4	.....
San Benito.....	do.	3 rabbits.....	3	.....
San Joaquin.....	do.	9 rabbits.....	9	.....
San Luis Obispo.....	do.	3 rabbits.....	3	.....
San Mateo.....	do.	1 weasel.....	1	.....
Siskiyou.....	do.	1 rabbit.....	1	.....
Sonoma.....	do.	2 rabbits.....	2	.....
Sutter.....	do.	6 rabbits.....	6	.....
Tehama.....	do.	3 rabbits.....	3	.....
Yolo.....	do.	2 rabbits.....	2	.....
Total.....			60	.....

SMALLPOX IN THE UNITED STATES.

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city and, in some cases, county boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

Reports Received During Week Ended June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
* Alabama:				
Montgomery.....	June 11-17.....	1	.....
Florida:				
Counties—				
Alachua.....	June 4-10.....	1	.....
Duval.....	June 4-17.....	17	.....
Escambia.....	June 4-10.....	1	.....
Hillsboro.....	do.....	2	.....
Leon.....	do.....	7	.....
Putnam.....	do.....	10	.....
Total for State.....		38	.....
Indiana:				
Counties—				
Allen.....	May 1-31.....	3	.....
Bartholomew.....	do.....	13	.....
Benton.....	do.....	10	.....
Cass.....	do.....	13	.....
Clay.....	do.....	4	.....
Floyd.....	do.....	3	.....
Grant.....	do.....	7	.....
Howard.....	do.....	56	.....
Laporte.....	do.....	3	.....
Madison.....	do.....	7	.....
Marion.....	do.....	2	.....
Marshall.....	do.....	11	.....

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Counties—Continued.				
Parke.....	May 1-31.....	10		
Posey.....	do.....	4		
Shelby.....	do.....	5		
St. Joseph.....	do.....	2		
Tipton.....	do.....	1		
Vanderburg.....	do.....	15		
Vigo.....	do.....	1		
Wabash.....	do.....	3		
Wayne.....	do.....	34		
Wells.....	do.....	1		
Total for State.....		208		
Kansas:				
Counties—				
Allen.....	Apr. 1-30.....	1		
Anderson.....	do.....	1		
Barton.....	do.....	1		
Brown.....	do.....	5		
Chase.....	do.....	1		
Cherokee.....	do.....	6		
Cloud.....	do.....	8		
Crawford.....	do.....	1		
Dickinson.....	do.....	7		
Doniphan.....	do.....	2		
Douglas.....	do.....	1		
Elk.....	do.....	6		
Finney.....	do.....	5		
Ford.....	do.....	1		
Franklin.....	do.....	33		
Greenwood.....	do.....	5		
Harvey.....	do.....	1		
Jackson.....	do.....	1		
Jefferson.....	do.....	19		
Johnson.....	do.....	1		
Kearny.....	do.....	1		
Kingman.....	do.....	1		
Lane.....	do.....	3		
Leavenworth.....	do.....	1		
Leavenworth.....	do.....	12		
Marshall.....	do.....	1		
McPherson.....	do.....	2		
Montgomery.....	do.....	10		
Morris.....	do.....	2		
Neosho.....	do.....	6		
Norton.....	do.....	6		
Pottawatomie.....	do.....	1		
Pratt.....	do.....	1		
Reno.....	do.....	4		
Republic.....	do.....	3		
Riley.....	do.....	14		
Saline.....	do.....	16		
Sedgwick.....	do.....	11		
Shawnee.....	do.....	11		
Wichita.....	do.....	11		
Wilson.....	do.....	2		
Woodson.....	do.....	1		
Wyandotte.....	do.....	18		
Kansas City.....	do.....	18		
Total for State.....		244		
Michigan:				
Counties—				
Calhoun.....	May 1-31.....	14		
Emmet.....	do.....	4		
Grand Traverse.....	do.....	1		
Huron.....	do.....	7		
Ionia.....	do.....	3		
Isabella.....	do.....	4		
Kent.....	do.....	4		
Manistee.....	do.....	6		
Marquette.....	do.....	1		
Mecosta.....	do.....	2		
Muskegon.....	do.....	3		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Counties—Continued.				
Ogemaw.....	May 1-31.....	1		
Oakland.....	do.....	1		
Ottawa.....	do.....	3		
Saginaw.....	do.....	1		
St. Clair.....	do.....	32		
St. Joseph.....	do.....	1		
Washtenaw.....	do.....	5		
Wayne.....	do.....	2		
Total for State.....		95		
Minnesota:				
Counties—				
Carver.....	May 9-29.....	4		
Filmore.....	do.....	7		
Hennepin.....	May 2-8.....	19		
Houston.....	May 2-29.....	2		
Kanabec.....	May 9-15.....	1		
Lac qui Parle.....	May 9-29.....	6		
McLeod.....	May 16-22.....	1		
Mille Lacs.....	May 9-15.....	3		
Mower.....	May 2-15.....	3		
Murray.....	May 2-8.....	11		
Nicollet.....	May 23-29.....	1		
Norman.....	do.....	1		
Ottertail.....	May 16-29.....	3		
Pipestone.....	May 23-29.....	1		
Ramsey.....	May 2-29.....	50		
Rice.....	May 2-8.....	1		
Sherburn.....	May 22-29.....	3		
Total for State.....		117		
* Missouri:				
Kansas City.....	May 1-31.....	65		
St. Louis.....	June 11-17.....	1		
Total for State.....		66		
Montana:				
Counties—				
Beaverhead.....	May 1-31.....	1		
Cascade.....	do.....	1		
Chouteau.....	do.....	1		
Dawson.....	do.....	1		
Flathead.....	do.....	7		
Gallatin.....	do.....	1		
Jefferson.....	do.....	2		
Lewis and Clark.....	do.....	1		
Missoula.....	do.....	1		
Powell.....	do.....	2		
Silver Bow.....	do.....	3		
Sweet Grass.....	do.....	2		
Teton.....	do.....	5		
Valley.....	do.....	3		
Yellowstone.....	do.....	1		
Total for State.....		32		
* Nebraska:				
Omaha.....	June 11-17.....	1		
New York:				
Counties—				
Albany.....	May 1-31.....	7		
Erie.....	do.....	14		
Franklin.....	do.....	2		
Monroe.....	do.....	4		
New York.....	do.....	1		
Niagara.....	do.....	1		
St. Lawrence.....	do.....	4		
Seneca.....	do.....	1		
Total for State.....		34		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
North Carolina:				
Counties—				
Alamance.....	May 1-31.....	1		Present.
Brunswick.....	do.....			
Caswell.....	do.....	5		
Catawba.....	do.....	2		
Cumberland.....	do.....	10		
Davie.....	do.....	1		
Durham.....	do.....	1		
Guilford.....	do.....	16		
Haywood.....	do.....	3		
Johnston.....	do.....	2		
Jones.....	do.....	3		
Lenoir.....	do.....	1		
New Hanover.....	do.....	13		
Onslow.....	do.....	3		
Pender.....	do.....			
Person.....	do.....	1		
Sampson.....	do.....			
Scotland.....	do.....	1		
Stokes.....	do.....	2		
Surry.....	do.....	2		
Union.....	do.....			Do.
Wilkes.....	do.....	2		
Total for State.....		69		
*Tennessee:				
Knoxville.....	June 11-17.....	2		

Reports Received from Dec. 31, 1910, to June 30, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see Public Health Reports for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Places.	Date.	Cases.	Deaths.	Remarks.
*Alabama:				
Birmingham.....	Apr. 2-May 6.....	4		May 8, 1 case from steamship Alamo, from New York via Key West and Tampa; Apr. 23-May 22, 2 cases from Mobile, removed from vessels; May 20, 1 case from s. s. Georgia Gilkey, from Mobile.
Mobile Quarantine Station.....				
Montgomery.....	Dec. 11-June 17....	32		
Total for State.....		36		
*Arkansas:				
Little Rock.....	May 1-31.....	4		
California:				
Counties—				
Alameda.....	Dec. 1-31.....	3		
Imperial.....	do.....	1		
Fresno.....	Apr. 1-30.....	8		
Humboldt.....	Dec. 1-Jan. 31.....	2		
Kern.....	Dec. 1-31.....	1		
Los Angeles.....	Dec. 1-Apr. 30.....	13		
Mariposa.....	Jan. 1-31.....	1		
Monterey.....	Mar. 1-31.....	1		
Napa.....	do.....	1		
Riverside.....	Jan. 1-Mar. 31.....	24	1	
San Bernardino.....	Jan. 1-31.....	3		
San Diego.....	Dec. 1-Feb. 28.....	16	1	
San Francisco.....	do.....	11		
San Joaquin.....	Dec. 1-31.....	2		
Santa Clara.....	Feb. 1-28.....	1		
Santa Cruz.....	Feb. 1-Mar. 31.....	2		
Ventura.....	Jan. 1-31.....	9		
Total for State.....		99	2	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Colorado:				
Counties—				
Adams.....	Dec. 1-Apr. 30....	8		
Arapahoe.....	Dec. 1-Feb. 28....	19		
Archuleta.....	Dec. 1-Apr. 30....	36		
Boulder.....	do.....	33		
Chaffee.....	Mar. 1-May 31....	19		
Clear Creek.....	May 1-31.....	1		
Conejos.....	Dec. 1-Apr. 30....	25		
Costilla.....	Jan. 1-31.....	5		
Delta.....	Feb. 1-May 31....	16		
Denver.....	Dec. 1-May 31....	440		
Douglas.....	Mar. 1-Apr. 30....	2		
Eagle.....	Jan. 1-31.....	1		
Elbert.....	Feb. 1-May 31....	22		
El Paso.....	Dec. 1-May 31....	36		
Fremont.....	Dec. 1-Apr. 30....	15		
Garfield.....	Jan. 1-Apr. 30....	8		
Gilpin.....	Jan. 1-31.....	1		
Grand.....	Dec. 1-31.....	2		
Gunnison.....	Mar. 1-Apr. 30....	22		
Huerfano.....	Dec. 1-Apr. 30....	22		
Jefferson.....	Dec. 1-May 31....	23		
Kit Carson.....	Jan. 1-May 31....	3		
La Plata.....	Dec. 1-Mar. 31....	24		
Larimer.....	Jan. 1-May 31....	145		
Las Animas.....	Dec. 1-May 31....	71		
Lincoln.....	Mar. 1-May 31....	29		
Logan.....	do.....	3		
Mesa.....	May 1-31.....	3		
Mineral.....	Jan. 1-31.....	2		
Moffat.....	May 1-31.....	3		
Montezuma.....	Dec. 1-31.....	1		
Montrose.....	Jan. 1-Apr. 30....	16		
Morgan.....	Dec. 1-Mar. 31....	54		
Otero.....	Feb. 1-May 31....	30		
Phillips.....	Feb. 1-28.....	20		
Pitkin.....	May 1-31.....	1		
Pueblo.....	Dec. 1-May 31....	41	1	
Rio Grande.....	Jan. 1-Apr. 30....	18		
Routt.....	Apr. 1-May 31....	11		
Sagauche.....	Dec. 1-31.....	3		
San Miguel.....	Apr. 1-May 31....	5		
Sedgwick.....	Mar. 1-31.....	3		
Summit.....	Feb. 1-28.....	1		
Teller.....	Jan. 1-Apr. 30....	10		
Weld.....	Feb. 1-May 31....	30		
Yuma.....	Mar. 1-31.....	1		
Total.....		1,284	1	
Connecticut.....	Dec. 1-May 31....			No cases.
* Delaware:				
Reedy Island quarantine...	May 1.....			One case from s. s. Haverford from Liverpool.
District of Columbia.....	Jan. 15-June 3....	23		
Florida:				
Counties—				
Alachua.....	Dec. 18-June 10..	91	1	
Baker.....	Jan. 8-14.....	1		
Bradford.....	Jan. 16-May 6....	8		
Brevard.....	Feb. 19-May 27....	9		
Calhoun.....	Jan. 29-Mar. 25....	27		
Citrus.....	Jan. 8-Mar. 11....	2		
Clay.....	May 16-22.....	11		
Dade.....	Dec. 25-May 13....	6		
De Soto.....	Mar. 1-June 10....	8		
Duval.....	Jan. 1-June 17....	385	1	
Escambia.....	Jan. 1-June 10....	133		
Franklin.....	Jan. 8-May 13....	27	1	
Gadsden.....	Dec. 18-June 10..	164		
Hamilton.....	Mar. 26-Apr. 1....	1		
Hillsboro.....	Dec. 25-June 10..	136		
Jackson.....	Dec. 25-May 27....	231		
Fernando.....	Mar. 19-25.....	1		
Jefferson.....	Feb. 5-May 6....	5		
Lafayette.....	Jan. 16-Feb. 4....	6		
Lake.....	Jan. 22-June 3....	13		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Florida—Continued.				
Counties—Continued.				
Lee.....	Jan. 8-Mar. 4.....	21		
Leon.....	Dec. 18-June 10.....	160	2	
Levy.....	Jan. 29-May 6.....	4		
Liberty.....	Feb. 26-Apr. 15.....	7		
Madison.....	Dec. 18-Jan. 21.....	19		
Manatee.....	Mar. 26-Apr. 1.....	1		
Marion.....	May 7-13.....	1		
Nassau.....	Jan. 16-21.....	2		
Orange.....	.....do.....	1		
Osceola.....	Mar. 25.....	3		
Pasco.....	Apr. 2-8.....	5		
Polk.....	Dec. 18-June 3.....	156		
Putnam.....	Feb. 12-June 10.....	33		
St. John.....	Jan. 22-May 27.....	9		
Santa Rosa.....	Jan. 8-June 3.....	41		
Sumter.....	May 7-13.....	1		
Suwanee.....	Jan. 16-21.....	1		
Taylor.....	Jan. 8-Feb. 4.....	140		
Volusia.....	May 20.....	16		
Wakulla.....	Mar. 1-31.....	2		
Walton.....	Dec. 25-June 3.....	12		
Washington.....	Jan. 8-Apr. 8.....	8		
Total for State.....		1,908	5	
* Georgia:				
Macon.....	Mar. 1-Apr. 30.....	14		
Illinois:				
Counties—				
Adams.....	Feb. 1-Apr. 30.....	6		
Alexander.....	Apr. 1-30.....	1		
Bond.....	Jan. 1-Apr. 30.....	10		
Carroll.....	Feb. 1-28.....	1		
Clay.....	Feb. 1-Mar. 31.....	4		
Clinton.....	Mar. 1-Apr. 30.....	44		
Coles.....	Dec. 1-Apr. 30.....	15		
Cook.....	.....do.....	59		
Douglas.....	Mar. 1-Apr. 30.....	8		
Edgar.....	.....do.....	9		
Effingham.....	Dec. 31-Feb. 28.....	2		
Fulton.....	Apr. 1-30.....	5		
Jackson.....	Mar. 1-Apr. 30.....	8		
Jasper.....	Dec. 1-31.....	4		
Jefferson.....	.....do.....	4		
Kane.....	Dec. 1-Apr. 30.....	30		
Livingston.....	Mar. 1-31.....	1		
Logan.....	Apr. 1-30.....	3		
McLean.....	Jan. 1-Apr. 30.....	23		
Macoupin.....	Feb. 1-Mar. 31.....	2		
Madison.....	Dec. 1-Apr. 30.....	22		
Mercer.....	Apr. 1-30.....	1		
Massac.....	Mar. 1-31.....	1		
Montgomery.....	Apr. 1-30.....	6		
Morgan.....	.....do.....	5		
Peoria.....	Dec. 1-Mar. 31.....	9		
Perry.....	Dec. 1-31.....	2		
Pulaski.....	Mar. 1-Apr. 30.....	3		
Rock Island.....	Mar. 1-31.....	1		
St. Clair.....	Apr. 1-30.....	7		
Saline.....	Jan. 1-Feb. 28.....	8		
Shelby.....	Mar. 1-Apr. 30.....	8		
Stevenson.....	Jan. 1-31.....	3		
Tazewell.....	Mar. 1-31.....	2		
Union.....	Dec. 1-Feb. 28.....	17		
Vermillion.....	Jan. 1-Apr. 30.....	20		
Washington.....	Feb. 1-28.....	1		
White.....	Apr. 1-30.....	12		
Williamson.....	Jan. 1-31.....	1		
Total for State.....		368		
Indiana:				
Counties—				
Adams.....	Feb. 1-28.....	6		
Allen.....	Feb. 1-May 30.....	8		
Bartholomew.....	May 1-31.....	13		
Benton.....	Apr. 1-May 30.....	11		
Blackford.....	Feb. 1-Apr. 30.....	21		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Counties—Continued.				
Cass.....	Jan. 1-May 30.....	42	1	
Clark.....	Mar. 1-Apr. 30.....	21		
Clay.....	Feb. 1-May 30.....	15		
Daviess.....	Feb. 1-28.....	1		
Decatur.....	Jan. 1-Apr. 30.....	4		
Dekalb.....	Dec. 1-Feb. 28.....	9		
Delaware.....	Feb. 1-Apr. 30.....	19		
Elkhart.....	Dec. 1-31.....	5		
Floyd.....	Apr. 1-May 30.....	7		
Fountain.....	Mar. 1-Apr. 30.....	3	1	
Grant.....	May 1-31.....	7		
Greene.....	Feb. 1-28.....	1		
Howard.....	Dec. 1-May 30.....	105		
Huntington.....	Feb. 1-Apr. 30.....	5		
Jay.....	Apr. 1-30.....	1		
Jennings.....	Jan. 1-31.....	6		
Knox.....	Dec. 1-Mar. 31.....	11		
Lake.....	Mar. 1-31.....	1		
Laporte.....	Apr. 1-May 30.....	8		
Madison.....	Dec. 1-May 30.....	206		
Marion.....	Jan. 1-May 30.....	7		
Marshall.....	May 1-31.....	11		
Miami.....	Apr. 1-30.....	1		
Montgomery.....	Dec. 1-Mar. 31.....	15		
Monroe.....	Mar. 1-31.....	1		
Noble.....	Jan. 1-31.....	1		
Parke.....	May 1-31.....	10		
Posey.....	Jan. 1-May 30.....	6		
Pulaski.....	Apr. 1-30.....	1		
Shelby.....	Mar. 1-May 30.....	30		
St. Joseph.....	Feb. 1-May 30.....	10		
Steuben.....	Jan. 1-Feb. 28.....	7		
Sullivan.....	Mar. 1-Apr. 30.....	3		
Tippecanoe.....	Mar. 1-31.....	1		
Tipton.....	Apr. 1-May 30.....	8		
Vanderburg.....	May 1-31.....	15		
Vermilion.....	Apr. 1-30.....	3		
Vigo.....	Jan. 1-May 30.....	25		
Wabash.....	Feb. 1-May 30.....	21		
Warren.....	Jan. 1-Mar. 31.....	2		
Wayne.....	Jan. 1-May 30.....	62		
Wells.....	Mar. 1-May 30.....	8		
White.....	Apr. 1-30.....	2		
Total for State.....		786	2	
Iowa:				
Counties—				
Adams.....	May 1-31.....	5		
Adair.....	do.....	1		
Benton.....	Jan. 1-Apr. 30.....	13		
Blackhawk.....	Feb. 1-Apr. 30.....	28		
Boone.....	Feb. 1-28.....	1		
Buena Vista.....	Dec. 1-31.....	1		
Carroll.....	Mar. 1-May 31.....	4		
Cherokee.....	Mar. 1-31.....	1		
Clay.....	May 1-31.....	1		
Crawford.....	do.....	1		
Dallas.....	Feb. 1-Mar. 31.....	3		
Decatur.....	Mar. 1-May 31.....	3		
Dubuque.....	Feb. 1-28.....	1		
Fayette.....	Apr. 1-30.....	2		
Fremont.....	Feb. 1-May 31.....	32		
Grundy.....	Apr. 1-30.....	1		
Guthrie.....	Jan. 1-May 31.....	9		
Hancock.....	Jan. 1-31.....	3		
Iowa.....	Apr. 1-30.....	1		
Jasper.....	Apr. 1-May 31.....	4	1	
Jefferson.....			1	
Johnson.....	Jan. 1-May 31.....	3		
Jones.....	Apr. 1-30.....	1		
Keokuk.....	Apr. 1-May 31.....	8		
Lee.....	Dec. 1-31.....	1		
Linn.....	Dec. 1-May 31.....	151	1	
Lucas.....	Jan. 1-31.....	1		
Lyon.....	Dec. 1-May 31.....	8		
Madison.....	Apr. 1-May 31.....	6		
Mahaska.....	Feb. 1-28.....	1		

Year 1910, in delinquent report received after Jan. 1, 1911.

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Iowa—Continued.				
Counties—Continued.				
Marshall.....	Dec. 1-May 31.....	24		
Mills.....	Apr. 1-May 31.....	13		
Montgomery.....	Apr. 1-30.....	3		
Muscatine.....	Mar. 1-31.....	1		
Page.....	Dec. 1-Mar. 31.....	36	1	
Plymouth.....	Mar. 1-Apr. 30.....	2		
Polk.....	Dec. 1-May 31.....	60		
Pottawattamie.....	Jan. 1-May 31.....	33		
Sac.....	Apr. 1-May 31.....	23		
Scott.....	Dec. 1-May 31.....	15		
Shelby.....	May 1-31.....	1		
Sioux.....	Feb. 1-Mar. 31.....	2		
Tama.....	Mar. 1-31.....	1		
Taylor.....	Dec. 1-May 31.....	65		
Union.....	Jan. 1-Feb. 28.....	3		
Warren.....	Dec. 1-Apr. 30.....	3		
Webster.....	Dec. 1-31.....	10		
Winnebago.....	Jan. 1-31.....	1		
Woodbury.....	Dec. 1-Mar. 31.....	15		
Total for State.....		606	4	
Kansas:				
Counties—				
Pawnee.....	Nov. 1-30.....	1		
Reno.....	do.....	1		
Allen.....	Dec. 1-Apr. 30.....	8		
Anderson.....	Jan. 1-Apr. 30.....	2		
Atchison.....	Dec. 1-Mar. 31.....	32		
Barton.....	Feb. 1-Apr. 30.....	3		
Bourbon.....	Mar. 1-31.....	8		
Brown.....	Dec. 1-Apr. 30.....	62	1	
Butler.....	Dec. 1-Jan. 31.....	2		
Chase.....	Apr. 1-30.....	1		
Cherokee.....	Dec. 1-Apr. 30.....	125		
Clay.....	Dec. 1-Feb. 28.....	15		
Cloud.....	Feb. 1-Apr. 30.....	84		
Crawford.....	do.....	4		
Decatur.....	Dec. 1-31.....	1		
Dickinson.....	Dec. 1-Apr. 30.....	41		
Doniphan.....	do.....	25		
Douglas.....	Jan. 1-Apr. 30.....	8		
Elk.....	Apr. 1-30.....	6		
Finney.....	do.....	5		
Ford.....	Mar. 1-Apr. 30.....	2		
Franklin.....	Apr. 1-30.....	33		
Greenwood.....	Feb. 1-Apr. 30.....	97		
Harper.....	Jan. 1-Mar. 31.....	20		
Harvey.....	Apr. 1-30.....	1		
Jackson.....	Feb. 1-Apr. 30.....	12		
Jefferson.....	Dec. 1-Apr. 30.....	32		
Jewell.....	Jan. 1-31.....	17		
Johnson.....	Dec. 1-Apr. 30.....	35		
Kearney.....	Jan. 1-Apr. 30.....	8		
Kingman.....	Dec. 1-Apr. 30.....	3		
Lane.....	Apr. 1-30.....	3		
Leavenworth.....	Jan. 1-Apr. 30.....	12		
Leavenworth.....	Dec. 1-Apr. 30.....	17	1	
Linn.....	Mar. 1-31.....	3		
Lyon.....	Jan. 1-31.....	1		
McPherson.....	Feb. 1-Apr. 30.....	8		
Marion.....	Jan. 1-Feb. 28.....	6		
Marshall.....	Dec. 1-Apr. 30.....	137		
Miami.....	Feb. 1-28.....	1		
Mitchell.....	Apr. 1-30.....	18		
Montgomery.....	Dec. 1-Apr. 30.....	40		
Morris.....	Mar. 1-Apr. 30.....	11		
Morton.....	Jan. 1-Feb. 28.....	12		
Nemaha.....	Dec. 1-Feb. 28.....	8		
Neosho.....	Apr. 1-30.....	6		
Norton.....	Jan. 1-Apr. 30.....	11		
Osage.....	Dec. 1-Mar. 31.....	2		
Ottawa.....	Feb. 1-Mar. 31.....	39		
Pottawatomie.....	Jan. 1-Apr. 30.....	20		
Pratt.....	Apr. 1-30.....	1		
Reno.....	Dec. 1-Apr. 30.....	5		
Republic.....	Mar. 1-Apr. 30.....	12		
Riley.....	Jan. 1-Apr. 30.....	22		
Rooks.....	Dec. 1-Mar. 31.....	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Counties—Continued.				
Russell.....	Jan. 1-Feb. 28.....	2	1	
Saline.....	Jan. 1-Apr. 30.....	45		
Sedgwick.....	do.....	16		
Shawnee.....	Dec. 1-Apr. 30.....	25		
Sumner.....	Dec. 1-31.....	6		
Washington.....	Jan. 1-Feb. 28.....	5		
Wichita.....	Feb. 1-Apr. 30.....	13		
Wilson.....	do.....	3		
Woodson.....	Apr. 1-30.....	1		
Wyandotte, exclusive of Kansas City.....	Dec. 1.....	15		
Kansas City.....	Dec. 1-Apr. 30.....	70		
Total for State.....		1,292	3	
* Kentucky:				
Henderson.....	Feb. 22-28.....	4		
Lexington.....	Feb. 26-Apr. 8.....	3		
Newport.....	Apr. 23-May 6.....	2		
Paducah.....	Jan. 23-Apr. 22.....	33		
Total for State.....		42		
* Louisiana:				
Parishes—				
Ascension.....	Dec. 1-31.....	1		
Calcasieu.....	Jan. 1-31.....	13	1	
East Baton Rouge.....	Dec. 1-31.....	25		
East Feliciana.....	do.....	30		
Iberville.....	do.....	6		
Lafourche.....	Jan. 1-31.....	16		
Orleans—				
New Orleans.....	Dec. 18-June 10.....	231	2	
Rapides.....	Dec. 1-31.....	1		
St. Charles.....	do.....	4		
St. John.....	do.....	1		
Tangipahoa.....	Nov. 1-Dec. 31.....	22		
Texas.....	Dec. 1-Jan. 31.....	20		
Washington.....	do.....	5		
Total for State.....		375	3	
Maine.....				
Dec. 1-Mar. 31.....				No cases.
Counties—				
Penobscot.....	Apr. 1-May 31.....	2		
Piscataquis.....	do.....	4		
Total for State.....		6		
Maryland.....				
Dec. 1-Mar. 31.....				December and March, no cases.
Counties—				
Baltimore.....	Feb. 1-28.....	2		
Frederick.....	May 1-31.....	2		
Garrett.....	Jan. 1-Feb. 28.....	10		
Washington.....	Apr. 1-May 31.....	12		
Total for State.....		26		
Massachusetts.....				
Nov. 1-Mar. 31, no cases.				
Counties—				
Essex.....	May 1-31.....	1		
Middlesex.....	do.....	1		
Norfolk.....	do.....	2		
Suffolk.....	Apr. 1-30.....	1		
Total for State.....		5		
Michigan.....				
Jan. 1-Feb. 28.....		16		Not previously reported.
Counties—				
Alcona.....	Dec. 1-31.....	1		
Alger.....	Dec. 1-Feb. 28.....	2		
Alpena.....	Jan. 1-Mar. 31.....	2		
Antrim.....	Jan. 1-Apr. 30.....	11		
Arenac.....	Dec. 1-Jan. 31.....	7		
Barry.....	Feb. 1-28.....	1		
Bay.....	Dec. 1-Jan. 31.....	2		
Calhoun.....	Dec. 1-May 31.....	33	1	
Cass.....	Feb. 1-28.....	2		
Charlevoix.....	Dec. 1-Feb. 28.....	24		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Counties—Continued.				
Cheboygan.....	Dec. 1–Apr. 30....	49		
Chippewa.....	Mar. 1–31.....	1		
Clare.....	Jan. 1–31.....	8		
Clinton.....	Dec. 1–31.....	3		
Crawford.....	Dec. 1–Jan. 31....	6		
Eaton.....	Dec. 1–Apr. 30....	8		
Emmet.....	Jan. 1–May 31....	99		
Genesee.....	Dec. 1–Feb. 28....	14	1	
Gladwin.....	do.....	4	1	
Grand Traverse....	Dec. 1–May 31....	5		
Gratiot.....	Dec. 1–Feb. 28....	10		
Houghton.....	Feb. 1–28.....	5		
Huron.....	Jan. 1–May 31....	17		
Ingham.....	Dec. 1–Mar. 31....	4		
Ionia.....	Jan. 1–May 31....	31		
Iron.....	Apr. 1–30.....	1		
Isabella.....	Dec. 1–May 31....	29		
Kalamazoo.....	Dec. 1–Jan. 31....	6		
Kent.....	Mar. 1–May 31....	6		
Keweenaw.....	Dec. 1–Feb. 28....	16		
Lake.....	Dec. 1–31.....	3		
Lapeer.....	do.....	1		
Leelanau.....	Jan. 1–31.....	2		
Lenawee.....	Apr. 1–30.....	1		
Livingston.....	Feb. 1–28.....	1		
Mackinac.....	do.....	4		
Macomb.....	Feb. 1–Mar. 31....	14		
Manistee.....	May 1–31.....	6		
Marquette.....	Dec. 1–May 31....	12		
Mason.....	Mar. 1–Apr. 30....	3		
Mecosta.....	May 1–31.....	2		
Midland.....	Dec. 1–31.....	3		
Missaukee.....	do.....	3		
Monroe.....	do.....	2		
Muskegon.....	Jan. 1–May 31....	7		
Newaygo.....	Jan. 1–31.....	3		
Oakland.....	May 31.....	1		
Oceana.....	Mar. 1–Apr. 30....	17		
Ogemaw.....	May 1–31.....	1		
Ottawa.....	do.....	3		
Presque Isle.....	Dec. 1–Mar. 31....	2		
Saginaw.....	Dec. 1–May 31....	5	3	
Sanilac.....	Jan. 1–Feb. 28....	8		
Shiawassee.....	Mar. 1–31.....	3		
St. Clair.....	Dec. 1–May 31....	43		
St. Joseph.....	May 1–31.....	1		
Tuscola.....	Mar. 1–31.....	1		
Van Buren.....	Apr. 1–30.....	1		
Washtenaw.....	Dec. 1–May 31....	13		
Wayne.....	do.....	9		
Wexford.....	Dec. 1–Mar. 31....	6		
Total for State.....		604	6	
Minnesota:				
Counties—				
Beltrami.....	Dec. 19–Feb. 13....	6		
Bigstone.....	Dec. 26–Jan. 1....	1		
Blue Earth.....	Dec. 19–Mar. 20....	2		
Carver.....	May 9–20.....	4		
Cass.....	Apr. 25–May 1....	4		
Dakota.....	Feb. 1–Mar. 27....	2		
Douglas.....	Dec. 5–Apr. 17....	4		
Fillmore.....	Nov. 27–May 29....	13		
Hennepin.....	Dec. 3–May 8.....	122		
Houston.....	May 2–20.....	2		
Hubbard.....	Apr. 25–May 1....	1		
Itasca.....	Feb. 20–27.....	1		
Kanabec.....	May 1–31.....	1		
Kandiyohi.....	Jan. 24–30.....	1		
Koochiching.....	Dec. 5–Feb. 13....	12		
Lac qui Parle.....	Jan. 10–May 31....	7		
Le Sueur.....	Dec. 26–Mar. 16....	5		
Lyon.....	Feb. 14–Apr. 10....	8		
Marshall.....	Mar. 1–6.....	1		
McLeod.....	May 16–22.....	1		
Mille Lacs.....	May 9–15.....	3		
Mower.....	Apr. 18–May 15....	7		
Murray.....	Jan. 17–May 8.....	18		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Counties—Continued.				
Nicollet.....	May 23-29.....	1		
Nobles.....	Dec. 5-Feb. 27.....	4		
Norman.....	Dec. 12-May 29.....	28		
Olmstead.....	Jan. 10-Apr. 10.....	7		
Ottertail.....	Mar. 7-May 29.....	11		
Pipestone.....	Jan. 10-Apr. 22.....	13		
Pope.....	Jan. 3-9.....	3		
Ramsey.....	Dec. 5-May 29.....	316		
Redwood.....	Apr. 25-May 1.....	1		
Renville.....	Apr. 11-17.....	3		
Rice.....	Feb. 14-May 8.....	2		
Rock.....	Feb. 1-Apr. 24.....	2		
Sherburne.....	Apr. 18-May 29.....	5		
St. Louis.....	Nov. 27-Apr. 10.....	10		
Sibley.....	Dec. 26-Jan. 16.....	2		
Steele.....	Mar. 1-31.....	1		
Todd.....	Dec. 5-Apr. 10.....	25		
Traverse.....	Feb. 1-6.....	1		
Wabasha.....	Dec. 26-Mar. 6.....	2		
Wadena.....	Dec. 26-Jan. 2.....	2		
Washington.....	Feb. 7-Mar. 20.....	10		
Winona.....	Jan. 17-23.....	1		
Yellow Medicine.....	Apr. 25-May 1.....	1		
Total for State.....		677		
Mississippi:				
Biloxi.....	Mar. 13.....			Present.
Gulfport.....	May 13-19.....	1		
* Missouri:				
Kansas City.....	Nov. 1-May 31.....	360		
St. Joseph.....	Feb. 5-18.....	16		
St. Louis.....	Dec. 18-June 17.....	93	1	
Springfield.....	Feb. 5-May 6.....	32		
Total for State.....		501	1	
Montana:				
Counties—				
Beaverhead.....	Jan. 1-May 31.....	6		
Carbon.....	Mar. 1-31.....	1		
Cascade.....	Dec. 1-May 31.....	28		
Chouteau.....	Jan. 1-May 31.....	25		
Custer.....	Dec. 1-Jan. 31.....	2		
Dawson.....	Nov. 1-May 31.....	11		
Deer Lodge.....	Nov. 1-Mar. 31.....	18		
Fergus.....	Apr. 1-30.....	1		
Flathead.....	Apr. 1-May 31.....	9		
Gallatin.....	Feb. 1-May 31.....	2	1	
Jefferson.....	do.....	3		
Lewis and Clark.....	do.....	4		
Missoula.....	Jan. 1-May 31.....	4		
Powell.....	do.....	3		
Revalli.....	Dec. 1-Mar. 31.....	12		
Silver Bow, exclusive of Butte.....	Nov. 1-Apr. 30.....	35		
Butte.....	Nov. 1-May 31.....	80		
Sweet Grass.....	May 1-31.....	2		
Teton.....	Jan. 1-May 31.....	21		
Valley.....	Apr. 1-May 31.....	7		
Yellow Stone.....	May 1-31.....	1		
Total for State.....		275	1	
* Nebraska:				
Lincoln.....	Dec. 1-Jan. 31.....	31		
Omaha.....	Apr. 1-June 17.....	55		
South Omaha.....	Jan. 1-June 10.....	27		
Total for State.....		113		
New Hampshire.....	Jan. 1-June 8.....	30		Approximate.

SMALLPOX IN THE UNITED STATES—Continued

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
New Jersey:				
Counties—				
Bergen.....	Dec. 1–Mar. 31.....	3		
Camden.....	Mar. 1–31.....	1		
Middlesex.....	Jan. 1–31.....	1		
Salem.....	Jan. 1–May 31.....	30		
Total for State.....		35		
New York:				
Counties—				
Albany.....	May 1–31.....	7		
Allegany.....	Nov. 1–30.....	1		
Chautauqua.....	Jan. 1–31.....	4		
Columbia.....	do.....	1		
Erie.....	Mar. 1–May 31.....	22		
Franklin.....	May 1–31.....	2		
Monroe.....	May 1–31.....	4		
New York.....	Mar. 1–May 31.....	2		
Niagara.....	Dec. 1–May 31.....	4		
Onondaga.....	Jan. 1–31.....	1		
Seneca.....	May 1–31.....	1		
St. Lawrence.....	Feb. 1–May 31.....	9		
Steuben.....	Feb. 1–28.....	1		
Tioga.....	Dec. 1–31.....	1		
Tompkins.....	Nov. 1–30.....	1		
Total for State.....		61		
North Carolina:				
Counties—				
Alamance.....	Jan. 1–May 31.....	21		
Beaufort.....	Dec. 1–Mar. 31.....	43		
Bertie.....	Jan. 1–Feb. 28.....	2		
Bladen.....	Nov. 1–Mar. 31.....	125		Present in April.
Brunswick.....	Dec. 1–Mar. 31.....	56		Present in Feb., Apr., and May.
Burke.....	Jan. 1–Mar. 31.....	5		
Carteret.....	Nov. 1–Jan. 31.....	4		
Caswell.....	Jan. 1–May 31.....	14		
Catawba.....	Apr. 1–May 31.....	3		
Chatham.....	Dec. 1–Apr. 30.....	82		
Cherokee.....	Feb. 1–28.....	15		
Cleveland.....	Jan. 1–31.....			Present.
Columbus.....	Nov. 1–Apr. 30.....	81		
Craven.....	Jan. 1–Mar. 31.....	13		
Cumberland.....	Nov. 1–May 31.....	80		
Currituck.....	Jan. 1–31.....	2		
Davie.....	May 1–31.....	1		
Duplin.....	Dec. 1–Apr. 30.....	62		
Durham.....	Nov. 1–May 31.....	571		
Edgecombe.....	Nov. 4–Jan. 31.....	7		
Forsyth.....	Mar. 1–31.....	3		
Franklin.....	Nov. 1–Apr. 30.....	15		
Granville.....	Dec. 1–Feb. 28.....	28		
Gulfport.....	Mar. 1–May 31.....	53		
Halifax.....	Mar. 1–31.....	1		
Harnett.....	Mar. 1–Apr. 30.....	63		
Haywood.....	Apr. 1–May 31.....	7		
Henderson.....	Dec. 1–Apr. 30.....	39		
Hertford.....	Dec. 1–31.....	1		
Iredell.....	Mar. 1–31.....	4		
Jackson.....	do.....	4		
Johnston.....	Dec. 1–May 31.....	13		Present in January.
Jones.....	Jan. 1–May 31.....	17		
Lee.....	Dec. 1–Apr. 30.....	12		
Lenoir.....	Jan. 1–May 31.....	3		
Martin.....	Nov. 1–Dec. 31.....	17		
Mecklenburg.....	Jan. 1–Feb. 28.....	7		
Nash.....	Nov. 1–Apr. 30.....	7		
New Hanover.....	Nov. 1–May 31.....	746		
Northampton.....	Jan. 1–Mar. 31.....	21		
Onslow.....	Dec. 1–May 31.....	93		
Orange.....	Jan. 1–31.....	12		Present in February.
Pasquotank.....	Nov. 1–Apr. 30.....	9		
Pender.....	Nov. 1–Jan. 31.....	127		Feb. 1–May 31 present.
Person.....	Jan. 1–May 31.....	3		
Pitt.....	Nov. 1–Feb. 28.....	34		
Robeson.....	Nov. 1–Apr. 30.....	240		Present in February.
Rockingham.....	Apr. 1–30.....	1		
Rowan.....	Dec. 1–Feb. 28.....	5		
Rutherford.....	Feb. 1–28.....	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Counties—Continued.				
Sampson.....	Dec. 1-Feb. 28....	33		Present in March and in May.
Scotland.....	Feb. 1-May 31.....	7		Present in April.
Stokes.....	Apr. 1-May 31.....	4		
Surry.....	.....do.....	13		
Union.....	Nov. 1-Apr. 30....	13		Present in May.
Vance.....	Jan. 1-Apr. 30....	35		
Wake.....	Nov. 1-Mar. 31....	61		
Washington.....	Jan. 1-31.....	2		
Watauga.....	Feb. 1-28.....	1		
Wayne.....	Dec. 1-Feb. 28....	14		
Wilkes.....	Jan. 1-May 31.....	10		
Total for State.....		2,966		
North Dakota:				
Counties—				
Barnes.....	May 1-31.....	1		
Billings.....	Jan. 1-May 31.....	29		
Cass.....	Dec. 1-May 31.....	2		
Grand Forks.....	Jan. 1-31.....	1		
Lamoure.....	Feb. 1-28.....	6		
McIntosh.....	Jan. 1-Feb. 28....	2		
Morton.....	Dec. 1-31.....	1		
Nelson.....	Mar. 1-May 31.....	3		
Ramsey.....	Jan. 1-31.....	1		
Steele.....	Dec. 1-Jan. 31....	19		
Stutsman.....	Jan. 1-May 31.....	18		
Trall.....	May 1-31.....	1		
Wells.....	Mar. 1-31.....	1		
Total for State.....		85		
Ohio:				
Counties—				
Adams.....	Apr. 1-May 31.....	27		
Ashland.....	Jan. 1-Apr. 30....	3		
Butler.....	Mar. 1-May 31.....	16		
Clark.....	Jan. 1-May 31.....	68	1	
Crawford.....	May 1-31.....	1		
Cuyahoga.....	Mar. 1-Apr. 30....	5		
Darke.....	.....do.....	17		
Delaware.....	Feb. 1-Mar. 31....	2		
Franklin.....	Dec. 1-May 31.....	20		
Fulton.....	Jan. 1-31.....	4		
Hardin.....	Apr. 1-May 31.....	3		
Hamilton.....	Dec. 1-May 31.....	55		
Hocking.....	May 1-31.....	1		
Lawrence.....	.....do.....	1		
Lorain.....	Dec. 1-31.....	2		
Lucas.....	Mar. 1-May 31.....	8		
Marion.....	Mar. 1-Apr. 30....	76		
Miami.....	Feb. 1-28.....	1		
Monroe.....	Mar. 1-31.....	1		
Montgomery.....	Jan. 1-Feb. 28....	2		
Perry.....	May 1-31.....	12		
Portage.....	Dec. 1-31.....	1		
Ross.....	Jan. 1-31.....	1		
Scioto.....	Mar. 1-Apr. 30....	8		
Williams.....	Jan. 1-Mar. 31....	4		
Wood.....	Mar. 1-Apr. 30....	4		
Total for State.....		343	1	
Oklahoma:				
Counties—				
Adair.....	Nov. 1-30.....	1		
Atoka.....	Dec. 1-Feb. 28....	2		
Beckham.....	Nov. 1-Apr. 30....	87		
Blaine.....	.....do.....	21		
Bryan.....	Nov. 1-Mar. 31....	28		
Caddo.....	Nov. 1-Apr. 30....	32		
Canadian.....	Nov. 1-Jan. 31....	34		
Carter.....	Mar. 1-Apr. 30....	10		
Cherokee.....	Jan. 1-Feb. 28....	4		
Choctaw.....	Jan. 1-Apr. 30....	29		
Cleveland.....	Feb. 1-Apr. 30....	47		
Coal.....	Feb. 1-28.....	20	1	
Comanche.....	Jan. 1-Mar. 31....	8		
Creek.....	Mar. 1-Apr. 30....	65		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Oklahoma—Continued.				
Counties—Continued.				
Custer.....	Dec. 1-Jan. 31.....	9		
Garfield.....	Dec. 1-Feb. 28.....	2		
Garvin.....	Apr. 1-30.....	8		
Grady.....	Nov. 1-Feb. 28.....	7	1	
Green.....	Nov. 1-30.....	1		
Hughes.....	Nov. 1-Apr. 30.....	69		
Jackson.....	Jan. 1-Mar. 31.....	71		
Jefferson.....	Apr. 1-30.....	8		
Johnston.....	Jan. 1-Apr. 30.....	5		
Key.....	Dec. 1-Apr. 30.....	3		
Kingfisher.....	Feb. 1-Apr. 30.....	13		
Kiowa.....	Feb. 1-Mar. 31.....	3		
Latimer.....	Dec. 1-31.....	1		
Le Flore.....	Mar. 1-31.....	2		
Lincoln.....	Jan. 1-Mar. 31.....	71		
McClain.....	Mar. 1-Apr. 30.....	23		
McCurtain.....	Jan. 1-Mar. 31.....	43		
McIntosh.....	Nov. 1-Apr. 30.....	13		
Major.....	Dec. 1-31.....	4		
Marshall.....	Nov. 1-Apr. 30.....	15		
Muskogee.....	Feb. 1-Apr. 30.....	4		
Noble.....	Mar. 1-31.....	2		
Nowata.....	Jan. 1-Apr. 30.....	14		
Okfuskee.....	Jan. 1-Mar. 31.....	12		
Oklahoma.....	Dec. 1-Apr. 30.....	33		
Okmulgee.....	Jan. 1-Apr. 30.....	27		
Osage.....	Dec. 1-Jan. 31.....	3		
Payne.....	Feb. 1-Mar. 31.....	6		
Pittsburg.....	Dec. 1-Apr. 30.....	34		
Pontotoc.....	Jan. 1-Apr. 30.....	11		
Pottawatomie.....	Jan. 1-31.....	6		
Roger Mills.....	Mar. 1-Apr. 30.....	10		
Rogers.....	Apr. 1-30.....	3		
Seminole.....	Dec. 1-Jan. 31.....	9		
Stephens.....	Dec. 1-31.....	1		
Tulsa.....	Nov. 1-Mar. 31.....	10		
Washington.....	Dec. 1-Apr. 30.....	3		
Washita.....	Nov. 1-Apr. 30.....	19		
Woods.....	Dec. 1-Jan. 31.....	11		
Total for State.....		977	2	
Oregon:				
Counties—				
Baker.....	Jan. 1-31.....	2		
Benton.....	Dec. 1-Mar. 31.....	2		
Columbia.....	Jan. 1-31.....	1		
Marion.....	Dec. 1-Feb. 28.....	10	4	
Multnomah.....	Oct. 1-Mar. 31.....	9		
Polk.....	Nov. 1-30.....	1		
Umatilla.....	Dec. 1-31.....	1		
Union.....	Jan. 1-31.....	1		
Total for State.....		27	4	
Pennsylvania, entire State.....				
	Oct. 1-31.....			No cases.
	Nov. 1-Apr. 30.....	44	1	
*Rhode Island:				
Providence.....	May 21-27.....	1		
*South Carolina:				
Camden.....	Jan. 15-21.....	1		
Charleston.....	Feb. 1-Apr. 30.....	10		
Seven Mile.....	Mar. 1.....	9	1	
Total for State.....		20	1	
South Dakota:				
Counties—				
Aurora.....	Feb. 1-Mar. 31.....	9		
Beadle.....	Jan. 1-Mar. 31.....	9		
Brookings.....	do.....	19		
Brown.....	Mar. 1-31.....	1		
Brule.....	Jan. 1-Mar. 31.....	21		
Charles Mix.....	Feb. 1-28.....	4		
Clark.....	Mar. 1-31.....	1		
Clay.....	do.....	1		
Davidson.....	Feb. 1-Mar. 31.....	4		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
South Dakota—Continued.				
Counties—Continued.				
Deuel.....	Jan. 1-31.....	1		
Douglas.....	Mar. 1-31.....	1		
Fall River.....	do.....	3		
Grant.....	Feb. 1-Mar. 31.....	16		
Gregory.....	Jan. 1-Feb. 28.....	8		
Hamlin.....	Feb. 1-Mar. 31.....	3		
Hanson.....	Feb. 1-28.....	1		
Hughes.....	do.....	1		
Kingsbury.....	do.....	1		
Lincoln.....	Jan. 1-Feb. 28.....	3		
Lyman.....	Jan. 1-Mar. 31.....	72		
Miner.....	do.....	13		
Minnehaha.....	Feb. 1-Mar. 31.....	3		
Pennington.....	do.....	15		
Perkins.....	Feb. 1-28.....	4		
Spink.....	Jan. 1-Mar. 31.....	37		
Stanley.....	Feb. 1-28.....	5		
Tripp.....	Feb. 1-Mar. 28.....	5		
Turner.....	Feb. 1-28.....	5		
Union.....	Feb. 1-Mar. 31.....	4		
Total for State.....		270		
*Tennessee:				
Counties—				
Davidson—				
Nashville.....	Jan. 8-June 3.....	7		
Hamilton—				
Chattanooga.....	Jan. 1-May 22.....	11	1	
Knox—				
Knoxville.....	Jan. 22-June 17.....	108		
Shelby.....	Nov. 1-May 31.....	427	3	
Total for State.....		553	4	
Texas.....				
Counties—	Feb. 1-28.....		3	Reported out of data.
Bell.....	Feb. 1-28.....	1		
Bowie.....	Mar. 1-31.....	4		
Cameron.....	Nov. 1-Apr. 30.....	141		
Cherokee.....	Jan. 1-Apr. 30.....	5		
Clay.....	Apr. 1-30.....	1		
Collin.....	Jan. 1-Apr. 30.....	34		
Dallas.....	Dec. 1-Apr. 30.....	39		
Denton.....	Mar. 1-Apr. 30.....	3		
Dewitt.....	Feb. 1-28.....	4		
El Paso.....	Jan. 1-Feb. 28.....	48	3	
Falls.....	Mar. 1-31.....	12		
Grimes.....	Nov. 1-30.....	4		
Guadalupe.....	Jan. 1-31.....	5	2	
Hall.....	Apr. 1-30.....	13		
Harrison.....	Mar. 1-31.....	5		
Henderson.....	Nov. 1-Apr. 30.....	23		
Hidalgo.....	Dec. 1-Apr. 30.....	8		
Houston.....	Mar. 1-31.....	2		
Jones.....	Jan. 1-31.....	3		
Lamar.....	Mar. 1-Apr. 30.....	11		
Lampasas.....	Apr. 1-30.....	1		
McLennan.....	Nov. 1-Apr. 30.....	27		
Marion.....	Dec. 1-Apr. 30.....	44		
Matagorda.....	Jan. 1-31.....	5		
Mitchell.....	Mar. 1-31.....	1		
Nueces.....	Jan. 1-Apr. 30.....	8		
Orange.....	Jan. 1-Feb. 28.....	9		
Palo Pinto.....	Mar. 1-31.....	1		
Red River.....	do.....	1		
Refugio.....	Mar. 1-Apr. 30.....	3		
Runnels.....	Jan. 1-31.....	1		
Swisher.....	Dec. 1-31.....	2		
Tarrant.....	Dec. 1-Apr. 30.....	16		
Taylor.....	Jan. 1-31.....	1		
Titus.....	Apr. 1-30.....	1		
Upshur.....	Mar. 1-Apr. 30.....	9		
Uvalde.....	Jan. 1-31.....	1		
Van Zant.....	Nov. 1-Feb. 28.....	9	1	
Wichita.....	Mar. 1-Apr. 30.....	28		
Williamson.....	Apr. 1-30.....	1	1	
Total for State.....		535	10	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Utah:				
Counties—				
Beaver.....	Nov. 1-Apr. 30....	148	1	
Boxelder.....	Jan. 1-Apr. 30....	71		
Cache.....	Nov. 1-Apr. 30....	73	1	
Davis.....	Dec. 1-Apr. 30....	14		
Garfield.....	Mar. 1-Apr. 30....	14		
Iron.....	Nov. 1-Feb. 28....	83		
Juab.....	Nov. 1-Mar. 31....	13		
Millard.....	Nov. 1-Feb. 28....	50		
Piute.....	Jan. 1-31.....	14		
Rich.....	Feb. 1-28.....	13		
Salt Lake.....	Nov. 1-Apr. 30....	95		
Sanpete.....	Dec. 1-Apr. 30....	58		
Sevier.....	do.....	69		
Tooele.....	Apr. 1-30.....	60		
Utah.....	Jan. 1-Apr. 30....	86		
Washington.....	Nov. 1-Apr. 30....	66		
Weber.....	do.....	108	1	
Total for State.....		1,035	3	
Vermont.....	Jan. 1-May 26....			No cases.
Virginia:				
Counties—				
Appomattox.....	Jan. 1-31.....	3		
Alexandria.....	do.....	5		
Culpeper.....	Jan. 1-Feb. 28....	4		
Dinwiddie.....	Jan. 1-31.....	1		
Fairfax.....	Jan. 1-Feb. 28....	3		
Farquier.....	do.....	42		
Frederick.....	Jan. 1-31.....	4		
Lee.....	Jan. 1-Feb. 28....	270		
Loudoun.....	do.....	7		
Lunenburg.....	Jan. 1-31.....	8		
Nansemond.....	do.....	4		
Prince William.....	Feb. 1-28.....	2		
Roanoke.....	Jan. 1-31.....	1		
Southampton.....	do.....	1		
Stafford.....	do.....	10		
Wise.....	do.....	7		
Total for State.....		372		
Washington:				
Counties—				
Chehalis.....	Mar. 1-Apr. 30....	10		
Chelan.....	Jan. 1-Mar. 31....	2		
Clallam.....	Jan. 1-Apr. 30....	38		
Cowlitz.....	Apr. 1-30.....	1		
Ferry.....	Jan. 1-31.....	1		
Grant.....	Apr. 1-30.....	14		
King.....	Dec. 1-Apr. 30....	186	2	
Kit Kittitas.....	Apr. 1-30.....	1		
Lewis.....	Mar. 1-Apr. 30....	7		
Lincoln.....	Feb. 1-Mar. 31....	2		
Mason.....	Apr. 1-30.....	9		
Pacific.....	Jan. 1-31.....	1		
Pierce.....	Dec. 1-Apr. 30....	55		
Skagit.....	Nov. 1-Apr. 30....	119		
Snohomish.....	Dec. 1-Apr. 30....	12		
Spokane.....	Nov. 1-Apr. 30....	8		
Stevens.....	Dec. 1-Feb. 28....	2		
Thurston.....	Mar. 1-Apr. 30....	2		
Walla Walla.....	Jan. 1-Mar. 31....	2		
Whatcom.....	Jan. 1-Apr. 30....	83		
Whitman.....	Apr. 1-30.....	7		
Yakima.....	Jan. 1-Apr. 30....	18		
Total for State.....		580	2	
Wisconsin:				
Counties—				
Ashland.....	Jan. 1-Mar. 31....	10		
Barron.....	do.....	9		
Bayfield.....	Apr. 1-30.....	2		
Buffalo.....	Feb. 1-28.....	1		
Chippewa.....	Dec. 1-Mar. 31....	12		
Clark.....	Apr. 1-30.....	1		
Dane.....	Jan. 1-Mar. 31....	11		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
Counties—Continued.				
Douglas.....	Feb. 1–Apr. 30.....	12	.....
Dunn.....	Dec. 1–Mar. 31.....	19	.....
Eau Claire.....	Feb. 1–Mar. 31.....	8	.....
Green.....	Jan. 1–31.....	2	.....
Iowa.....	Dec. 1–Mar. 31.....	114	.....
Iron.....	Mar. 1–31.....	1	.....
Jefferson.....	Dec. 1–Jan. 31.....	10	.....
Lafayette.....	Dec. 1–Feb. 28.....	11	.....
La Crosse.....	Dec. 1–Apr. 30.....	13	.....
Lincoln.....	Feb. 1–Mar. 31.....	2	.....
Milwaukee.....	Dec. 1–Mar. 31.....	16	.....
Monroe.....	Mar. 1–31.....	5	.....
Oneida.....	Dec. 1–Mar. 31.....	13	.....
Pepin.....	May 1–31.....	4	.....
Pierce.....	Feb. 1–28.....	1	.....
Price.....	Mar. 1–31.....	4	.....
Richland.....	May 1–31.....	2	.....
Rusk.....	Mar. 1–May 31.....	7	.....
Sheboygan.....	Mar. 1–31.....	1	.....
St. Croix.....	Dec. 1–Feb. 28.....	7	.....
Vernon.....	Jan. 1–Feb. 28.....	10	.....
Vilas.....	Dec. 1–31.....	1	.....
Walworth.....	Jan. 1–31.....	1	.....
Washington.....	Dec. 1–31.....	1	.....
Total for State.....		311	.....
Grand total for the United States.....		17,290	56	

MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED JUNE 10, 1911.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having over 500,000 inhabitants.</i>														
Baltimore, Md.....	558,485	157	4	1	81	12	1			40	23	6		
Boston, Mass.....	670,585	178	84		147	22	1			65	17	10	1	
Chicago, Ill.....	2,185,283	546	118	2	182	2	145	17		166	75	19	3	
Cleveland, Ohio.....	560,663		25	5	28	67	5			38	14	9	2	
New York, N. Y.....	4,766,883	1,224	277	24	1,021	33	341	27		354	149	28	5	
Philadelphia, Pa.....	1,549,008	408	79	5	155	7	36	2		116	47	6	2	
St. Louis, Mo.....	687,029	228	13	3	58	1	49	6		47	15	9		
<i>Cities having from 300,000 to 500,000 inhabitants.</i>														
Buffalo, N. Y.....	423,715	114	31	2	23	12				19	6	3		
Cincinnati, Ohio.....	364,463	114	5		9	51	1			37	21	4		
Detroit, Mich.....	465,766	111	26	2		14	1	1						
Los Angeles, Cal.....	319,198	90	2		30	6				10	12	1	1	
Milwaukee, Wis.....	373,857	61	13	2	40	2	14			17	3	12	1	
Newark, N. J.....	347,469	91	23			17				19	13	9	2	
New Orleans, La.....	339,075	160	11		33	6		3		33	22	14	1	
San Francisco, Cal.....	416,912	90	3		52	19				13	9	2		

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States, for week ended June 10, 1911—Continued.

Cities.	Population, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having from 200,000 to 300,000 inhabitants.														
Denver, Colo.	213,381	55	4	1	5		15		10				6	2
Jersey City, N. J.	267,779	59					1						4	
Kansas City, Mo.	248,381	87	2		9							10		
Providence, R. I.	224,326	57	6		2		13	1			27		6	3
Seattle, Wash.	237,194	35			47		14		6		11		4	4
Cities having from 100,000 to 200,000 inhabitants.														
Bridgeport, Conn.	102,054	20	1		29		5				4		2	
Cambridge, Mass.	104,839		10	2	11		4				13		3	
Columbus, Ohio.	181,548	63	1		11		4	1	2		5		7	2
Dayton, Ohio.	116,577	34			13		1						6	
Fall River, Mass.	119,295	34	2		14	2	3				6		5	
Grand Rapids, Mich.	112,571	20			14		4				5		2	3
Lowell, Mass.	103,294	29	3		1						2		3	
Memphis, Tenn.	131,105		2		1						5		3	2
Nashville, Tenn.	110,364	57			2		1				3		3	1
Oakland, Cal.	150,174	31	4		5	1					1		2	
Omaha, Nebr.	124,096		1	1		4		1					4	
Paterson, N. J.	125,600		10	3			26	1			2			
Spokane, Wash.	104,402	23	3		27		4		1				1	
Toledo, Ohio.	168,497		5		1		6				1		7	2
Worcester, Mass.	145,936	36	4		9		16				5		3	1
Cities having from 50,000 to 100,000 inhabitants.														
Altoona, Pa.	52,127	14					1							
Bayonne, N. J.	55,545	13	2		26		1					3		1
Brockton, Mass.	56,878	3			15		2				3			
Camden, N. J.	94,538		2				1	1						
Canton, Ohio.	50,217	9					1					2		
Covington, Ky.	53,270	15					2		3			3		
Duluth, Minn.	78,466	15	1	1	33		2				3		2	1
Elizabeth, N. J.	73,409	17	3		3	1	9	1				2		
Fort Wayne, Ind.	63,933	16	2		10				1		3		2	
Harrisburg, Pa.	64,186	17	4	1	11		4	1			12		4	
Hartford, Conn.	98,915	21	15	1	2		9				4		2	
Hoboken, N. J.	70,324	5			2		3							
Houston, Tex.	78,800	27	1				1		2			4		1
Jacksonville, Fla.	57,699	25			1		2		2			3	2	
Johnstown, Pa.	55,482	18			21		3				7			
Kansas City, Kans.	82,331	18			8		2		1			1	1	
Lawrence, Mass.	85,892	22			11		3				4			
Lynn, Mass.	89,336	12	2		6		2				5		1	
Manchester, N. H.	70,063	22	1								2		2	
New Bedford, Mass.	96,652		1		9		3				6		2	
Oklahoma City, Okla.	64,205	17			6		3				3		1	
Passaic, N. J.	54,773	17	1	1	4		1							
Peoria, Ill.	66,950	16	2				3	1				1		
Portland, Me.	58,571	13	2		2	1	1						1	3
Reading, Pa.	96,071	31	5		7		7				3			1
San Antonio, Tex.	96,614	48	2		2		4					7	2	
Schenectady, N. Y.	72,826	18			2						2		3	
South Bend, Ind.	53,684	19	2		2		5					4	1	1
Springfield, Ill.	51,678	20	2				3							
Springfield, Mass.	88,926	17	6		14		3				3		1	1
Tacoma, Wash.	83,743		1		1		18		3					
Terre Haute, Ind.	58,157	16	1		3		2	1						
Trenton, N. J.	96,815	35									6		3	9
Utica, N. Y.	74,119	19			10		1				1		5	
Waterbury, Conn.	73,141				1		5				2		1	
Wichita, Kans.	52,450	14			4									
Wilkes-Barre, Pa.	67,105	20	5		5		2				6		1	1
Wilmington, Del.	87,411	14											1	1
Yonkers, N. Y.	79,803	24		1	60		19	1			9		5	

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States, for week ended
June 10, 1911—Continued.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having from 25,000 to 50,000 inhabitants.														
Atlantic City, N. J.	46,150	10			6		3							
Auburn, N. Y.	34,668	7	1				2				5	1		
Aurora, Ill.	29,807						1							
Berkeley, Cal.	40,434	8			2		1				1			
Binghamton, N. Y.	48,443	9	1		11						1			
Brookline, Mass.	27,792	4			15		1							
Butte, Mont.	39,165	15	1				3		1					
Chattanooga, Tenn.	44,604				*									
Chelsea, Mass.	32,452	14	20		15		5				3	2		1
Chicopee, Mass.	25,401	8			3		1							
Danville, Ill.	27,871	6			2				6					
Dubuque, Iowa.	38,494	7												
East Orange, N. J.	34,371	3			1		1				2			
Elmira, N. Y.	37,176	13	2		46		1				5	1		1
Everett, Mass.	33,484	8	1		16						1			
Haverhill, Mass.	44,115	8					1				5			
Hasleton, Pa.	25,452		2	1	1									
Kalamazoo, Mich.	39,437	10	1				1				3	2		
Knoxville, Tenn.	36,346	17							3			5		
La Crosse, Wis.	30,417	8	2		5		1				4	1		1
Lancaster, Pa.	47,227	19	2		1		2				11	1		
Lexington, Ky.	35,099	9			13						1	1		
Lynchburg, Va.	29,494	17			21		3				1	1		
Malden, Mass.	44,404	6									2			
Montgomery, Ala.	38,136				2							3		
Mount Vernon, N. Y.	30,919				3									
New Britain, Conn.	43,916	12	2								3	1		
Newcastle, Pa.	36,280		2				2				2			
Newport, Ky.	30,309	14	1				2				1			
Newton, Mass.	39,806	7	2		5		1							
Niagara Falls, N. Y.	30,445	18	1		7									
Norristown, Pa.	27,875	11			6							1		
Orange, N. J.	29,630	12	4		3						1	3		
Pasadena, Cal.	30,291						1					1		
Pittsfield, Mass.	32,121	2					1							
Portsmouth, Va.	33,190	24			4				2				1	
Poughkeepsie, N. Y.	27,936	7			9		1				2			
Racine, Wis.	38,002	11	4									2		
Roanoke, Va.	34,874	15	4		5						1	3		1
Salem, Mass.	43,697	8	1			1							1	
San Diego, Cal.	39,578	13					4				3	3		
San Jose, Cal.	28,946	7					2							
Shenandoah, Pa.	25,774	11		1			1		1					
South Omaha, Nebr.	26,259	4					3							1
Superior, Wis.	40,384	15	3									1		
Taunton, Mass.	34,259	10	4	1										
Waltham, Mass.	27,834	3	1								5			
West Hoboken, N. J.	35,403		4		3		2							
Wheeling, W. Va.	41,641	13	3	1	33		4				1		1	
Williamsport, Pa.	31,890	10	1		5	1								
Zanesville, Ohio	28,026	9	1									3		
Cities having less than 25,000 inhabitants.														
Ann Arbor, Mich.	14,817	10			1						3			
Bennington, Vt.	5	5												
Cambridge, Ohio	11,827	3			1							1		
Camden, S. C.											2		2	
Carbondale, Pa.	17,040	4	1		1		2							
Clinton, Mass.	13,075	2	1									1		
Coffeyville, Kans.	12,687	5			2		1				1			
Columbus, Ga.		7												
Columbus, Ind.		4										1		
Concord, N. H.	21,497	3			1									
Cumberland, Md.	21,839	9	1	1								1	3	
Dunkirk, N. Y.		4							3	1		1		
Galesburg, Ill.	20,089	2												

Weekly morbidity and mortality table, cities of the United States, for week ended June 10, 1911—Continued.

[illegible]

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES
AND CITIES OF THE UNITED STATES (untabulated).

FLORIDA.—Reports from the State board of health show as follows:

Week ended June 10, 1911. Leprosy present in 2 localities (Jacksonville and Key West) with 2 cases, malaria in 5 localities with 19 cases, smallpox in 6 counties with 24 cases, tuberculosis in 3 localities with 9 cases, typhoid fever in 5 localities with 12 cases.

Week ended June 17, 1911. Malaria present in 5 localities with 32 cases, smallpox in 1 county (Duval) with 14 cases, tuberculosis in 4 localities with 7 cases, typhoid fever in 5 localities with 12 cases.

KANSAS.—Month of April, 1911. Population 1,690,949. Total number of deaths from all causes not reported. Deaths include diphtheria 4, measles 6, scarlet fever 11, tuberculosis 72, typhoid fever, 2. Cases reported: Diphtheria, 37, measles 1,854, scarlet fever 316, smallpox 244, tuberculosis 246, typhoid fever, 20.

MAINE.—*Portland*.—Four weeks ended March 4, 1911. Population 58,571. Total number of deaths from all causes 87, including diphtheria 1, tuberculosis 7, typhoid fever 2. Cases reported: Diphtheria 7, scarlet fever 4, typhoid fever 1.

Four weeks ended April 1, 1911. Total number of deaths from all causes 99, including diphtheria 1, measles 1, tuberculosis 8, typhoid fever 3. Cases reported: Diphtheria 10, scarlet fever 5, typhoid fever 2.

Four weeks ended April 29, 1911. Total number of deaths from all causes 92, including measles 1, tuberculosis 8. Cases reported: Diphtheria 9, scarlet fever 4, typhoid fever 5.

MICHIGAN.—Morbidity, month of May, 1911. Population, 2,810,173. Communicable diseases include diphtheria, 226 in 53 localities; measles, 709 in 100 localities; scarlet fever, 483 in 95 localities; smallpox, 98 in 52 localities; tuberculosis, 182 cases; typhoid fever, 76 cases.

NORTH DAKOTA.—Month of May, 1911. Population, 577,056. Total number of deaths from all causes 245. No deaths from contagious diseases. Cases reported: Diphtheria 11, measles 34, scarlet fever 22, smallpox 5, tuberculosis 4.

WISCONSIN.—Months of January, February, March, 1911. Population, 233,815. Total number of deaths from all causes 8,046, including diphtheria 85, measles 48, scarlet fever 67, tuberculosis 702, typhoid fever 66. Cases reported: Diphtheria 626, measles 1,863, scarlet fever 1,581, smallpox 134, typhoid fever 211.

FOREIGN AND INSULAR.

AUSTRIA.

TRIESTE—Fatal Case of Cholera on Steamship.

Vice Consul de Martini reports June 26 the occurrence of a fatal case of cholera on the steamship *Oceania*, arrived June 24 from New York via Naples.

BRAZIL.

MANAOS—Yellow Fever.

The American consular agent reports the occurrence of 2 deaths from yellow fever during the two weeks ended June 25.

CANADA.

Typhus Fever on Steamship at Grosse Isle Quarantine.

Acting Asst. Surg. Bailey at Quebec reports June 16 the arrival of the steamship *Sardinian* at Grosse Isle quarantine station June 14, with a case of typhus fever on board in the person of a steerage passenger.

The *Sardinian* left London June 1 for Havre and Montreal.

CHINA.

AMOY—Plague.

Acting Asst. Surg. Bonthius reports May 24:

For the week ended May 20 there were reported 31 deaths from plague.

CUBA.

Transmissible Diseases.

The following information was issued by the national department of sanitation:

MAY 10-20, 1911.

Diseases.	New cases.	Deaths.	Under treatment.
Tuberculosis.....	57	80	2,422
Leprosy.....	3	1	355
Malaria.....	41	.....	128
Typhoid fever.....	30	3	71
Diphtheria.....	16	.....	22
Scarlet fever.....	21	.....	27
Measles.....	132	3	354
Varicella.....	20	.....	42
Tetanus in the new born.....	.....	2	1
Filariasis.....	2	.....	2

No quarantinable diseases were reported in the island during the week ended June 17.

ECUADOR.

Plague and Yellow Fever.

The following information was received from the director of public health:

May 16-31, 1911:

Plague.—At Guayaquil 2 cases, with 1 death, were reported.

Yellow fever.—At Guayaquil 11 cases, with 5 deaths, were reported; at Bucay 1 case; at Milagro 5 cases with 3 deaths.

GREECE.

ATHENS—Cerebrospinal Meningitis.

Consul General Gale reports the occurrence of 13 deaths from cerebro spinal meningitis during the two weeks ended May 27.

INDIA.

BASSEIN—Plague.

Vice Consul General Perry at Calcutta reports May 25:

An outbreak of plague was officially reported at Bassein May 17. The port has been declared infected and the Government regulations for the prevention of the spread of plague by maritime routes will be enforced in the ports of Orissa against arrivals from Bassein.

Bassein is a seaport town of about 11,000 population situated 30 miles north of Bombay.

CALCUTTA—Cholera, Plague, and Smallpox.

Acting Asst. Surg. Allan reports May 25:

During the week ended May 6 there were reported at Calcutta 41 deaths from cholera, 136 from plague, and 3 from smallpox; in all Bengal, 1,586 cases of plague, with 1,378 deaths; in all India, 36,251 cases of plague, with 30,904 deaths.

JAPAN.

Plague in Formosa.

Consul Reat at Tamsui reports the occurrence in Kagi prefecture, island of Formosa, of 144 cases of plague, with 123 deaths, during the three weeks ended May 20.

JAVA.

Cholera and Plague.

Consul Rairden at Batavia reports May 15:

During the week ended May 13 there were reported 80 cases of cholera, with 52 deaths. Sixty cases of plague, with 31 deaths, were reported in the districts previously reported infected. There was no spread of plague from the infected area during the week.

MEXICO.

AGUASCALIENTES—Typhus Fever.

Vice Consul Bretherton reports the occurrence of 20 deaths from typhus fever at Aguascalientes during the period from April 16 to June 4.

TRINIDAD.

PORT OF SPAIN—Examination of Rats—Sanitary Conditions.

Acting Asst. Surg. Layton reports June 10:

During the two weeks ended June 2, 1,636 rats were examined for plague infection. Of this number 544 were *Mus norvegicus*, 117 *Mus rattus*, and 975 *Mus musculus*. No plague-infected rats were found.

There is daily inspection of the port by an adequate sanitary force of all streets, premises, and public buildings. A rat brigade is actively employed in trapping and poisoning rodents. All the streets are paved and asphalted, and thoroughly drained, and the gutters are constantly flushed with water.

TURKEY.**Cholera at Samsun.**

Consul Jewett at Trebizond reports June 4:

During the week ended June 2 there were reported at Samsun 77 cases of cholera with 46 deaths.

SMYRNA—Cholera—Quarantine Against Port Resumed.

Vice Consul Memminger reports May 30:

During the 10 days ended May 28 there were reported 24 cases of cholera with 14 deaths. The quarantine at Ottoman ports against Smyrna, which was suspended May 18, was again put into effect May 22.¹

VENEZUELA.**Plague at Caracas.**

Consul Manning at La Guaira reports June 5 the occurrence of a case of plague at Caracas May 24.

ZANZIBAR.**ZANZIBAR—Smallpox—Examination of Rats.**

Consul Weddell reports:

During the three weeks ended May 14 there were reported 2 new cases of smallpox with 2 deaths. From the beginning of the outbreak June 8, 1910, to May 14 there were reported 271 cases. The number of persons vaccinated was 42,600.

During the three weeks ended May 17 there were examined 2,744 rats. No plague-infected rats were found.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.**Reports Received During Week Ended June 30, 1911.**

[These tables include cases and deaths recorded in reports received by the Surgeon General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Hodeida.....	Apr. 23-29.....	25		Among the civil population.
Austria-Hungary:				
Trieste.....	June 24.....	1	1	On s.s. Oceanla, from New York via Naples.
Waltendorf.....	May 21-29.....	1	1	Near Gratz.
China:				
Amoy.....	May 13.....			Present.
India:				
Calcutta.....	May 1-6.....		41	
Indo-China:				
Saigon.....	May 8-14.....	3		
Italy:				
Naples.....	June 19-24.....	33	13	
Palermo.....	June 24.....			Do.
Java:				
Batavia.....	May 6-13.....	80	52	
Straits Settlements:				
Singapore.....	May 1-6.....	2		
Turkey in Asia:				
Smyrna.....	May 11-28.....	13	7	

¹ See Public Health Reports, June 23, 1911, p. 986.

² Bulletin Quarantenaire d'Egypte, June 1, 1911.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received During Week Ended June 30, 1911.

YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Manaos				June 25, two deaths.
Ecuador:				
Bucay	May 16-31	1		
Guayaquil	do.	11	5	
Milagro	do.	5	3	

PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Para	May 28-June 10	2	1	
Rio de Janeiro	May 14-20	1		
China:				
Amoy	May 13-20		31	
Hongkong	May 7-13	8	4	
Koatak	Mar. 1-Apr. 30			Present. ¹
Lienchoufu	do.			Do.
Lungtan	do.			Do.
Mukden	Apr. 12	1		
Ecuador:				
Guayaquil	May 16-31	2	1	
India:				
Calcutta	May 1-6		136	
Indo-China:				
Saigon	May 8-14	12	1	
Japan:				
Formosa	May 7-13	93	78	
Peru:				
Salaverry	May 9-22	2	2	May 29, present in the district.
Venezuela:				
Caracas	May 24	1		

SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Para	May 28-June 10	7	4	
Rio de Janeiro	May 21-27	1	1	
Canada:				
Quebec	June 11-17	5		
Vancouver	June 4-10	1		
China:				
Hongkong	May 7-13	8	4	
France:				
Marseille	May 1-31		1	
Great Britain:				
Dundee	May 28-June 3	2		
Liverpool	do.	1		
London	June 3	6		
India:				
Calcutta	May 1-6		3	
Madras	May 14-20	27	19	
Indo-China:				
Saigon	May 8-14	6	1	
Italy:				
Naples	May 28-June 3	12		
Java:				
Batavia	May 7-13	5	1	
Mexico:				
Agua Calientes	Apr. 17-May 21		6	
Mexico	May 7-20		35	
San Luis Potosi	May 22-June 3	9	9	
Tlalcahuana	May 7-20	16		
Portugal:				
Lisbon	May 28-June 3	25		
Russia:				
Libau	May 23-29	1		
Moscow	May 14-27	50	14	
Riga	May 6-27	28		
St. Petersburg	May 14-20	15	4	
Spain:				
Madrid	May 1-31		3	
Zanzibar	May 1-14	1	1	

¹ From the Veröffentlichungen des Kaiserlichen Gesundheitsamtes, June 8, 1911.² Bulletin Quarantenaire d'Egypte, June 1, 1911.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see PUBLIC HEALTH REPORTS for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabic:				
Bajil.....	Jan. 18-Feb. 12....	49	41	
Hodeida.....	Jan. 23-Apr. 29....	193	133	Apr. 18, present among troops.
Jebel Akhdar.....	Apr. 1-18.....			Present in remote villages.
Perim.....	Jan. 23.....			Present.
Maskat.....	Nov. 20-30.....	7	7	
Manaka.....	Jan. 19-Feb. 12....	97	24	
Obal.....	Jan. 27-Feb. 12....	3	3	
Zaida.....	.....do.....	27	15	
Austria-Hungary.....	Aug. 3-Nov. 7.....		2	Not previously reported.
Croatia and Slavonia.....	Dec. 4-17.....	5	2	
Maren.....	Oct. 1-9.....	3		
Hungary.....	Nov. 27-Dec. 17....	9	3	
Trieste.....				Fatal case June 5 on s. s. Saxonia, from New York via Genoa and Naples, and June 24 fatal case on s. s. Oceania, from New York via Naples.
Waltendorf.....	May 21-29.....	1	1	Near Graz.
Bulgaria:				
Tartar-Pazardjik.....	Jan. 10.....	2	2	
Varna.....	Nov. 29.....	2		From s. s. Bulgarie, 3 fatal cases having been reported on p. 1936, Vol. XXV.
Ceylon:				
Colombo.....	Dec. 11-24.....	4	3	
China:				
Amoy.....	May 9-13.....			Present.
Newchwang.....	Aug. 1-Nov. 22....			Occasional cases.
Shanghai.....	Aug. 1-31.....		1	Reported out of date.
Hawaii:				
Honolulu.....	Feb. 25-Apr. 25....	39	29	Total from Feb. 25-Mar. 14: Cases, 31; deaths, 22. Apr. 12-25: Cases, 8; deaths, 7.
India:				
Bassein.....	Mar. 5-May 6.....	14	12	
Bombay.....	Nov. 23-Mar. 18....		109	Feb. 19-Apr. 22: Cases, 5.
Calcutta.....	Nov. 13-May 6.....		1,030	
Madras.....	Nov. 27-Apr. 29....		17	Madras Presidency, Oct. 1-Dec. 31: Cases, 8,382; deaths, 4,546. Report for Oct. 16-31 not received. Jan. 1-Apr. 30: Cases, 16,052; deaths, 9,060.
Moulmine.....	Mar. 5-May 6.....	36	32	
Rangoon.....	Jan. 1-Apr. 30....	90	67	
Indo-China:				
Saigon.....	Dec. 12-May 14....	138	79	
Italy.....				Total for Italy, Dec. 27-Jan. 30: Cases, 111; deaths, 17. New outbreak, June 8-24: Cases, 47; deaths, 19.
Provinces—				
Aquila.....	Dec. 4-17.....	4	1	
Bari.....	Dec. 27-Jan. 30....	5	2	
Caltanissetta.....	Dec. 4-10.....	1		
Caserta.....	Dec. 4-Jan. 14....	15	3	
Catanzaro.....	Dec. 27-Jan. 6.....	2	2	
Serrastretta.....	June 14.....	2		
Cosenza—				
Lungro.....	.....do.....	1		
Lecce.....	Dec. 11-Jan. 30....	111	13	
Naples—				
Naples.....	June 17-24.....	40	16	New outbreak.
Pianura.....	June 18.....	2	1	
Palermo—				
Palermo.....	Dec. 4-10.....	16	6	June 17-24, present.
Insane asylum.....	Dec. 4-Jan. 6.....	24	6	
Reggio di Calabria—				
Reggio.....	June 8.....	2	2	
Rome.....	Dec. 4-Jan. 6.....	10	7	
Salerno.....	Dec. 11-Jan. 6.....	10		

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Japan				Total for Japan, Sept. 14-Nov. 30: Cases, 2,770; deaths, 1,923, including cases and deaths appearing on p. 1937, Vol. XXV.
Alche ken.	Oct. 16-Nov. 20.	3	3	
Ehime ken.	Sept. 23-Nov. 30.	27	19	
Formosa.	Nov. 20-Dec. 17.	11	6	Mainly in Kelung and Tsfoku.
Fukuoka ken.	Sept. 30-Nov. 30.	234	165	
Higo ken. Kobe.	Sept. 12-Nov. 30.	607	396	
Hiroshima ken.	Sept. 25-Nov. 30.	58	30	
Kagawa ken.	Oct. 2-Nov. 30.	293	201	
Kagoshima ken.	Oct. 28-Nov. 30.	4	3	
Kochi ken.	Oct. 18-Nov. 30.	70	42	
Kyoto fu.	Sept. 30-Nov. 30.	143	119	
Kumamoto ken.	Oct. 18-Nov. 30.	19	11	
Miye ken.	Oct. 11-Nov. 30.	8	5	
Nagasaki ken.	Oct. 16-Nov. 30.	26	11	Dec. 12-25, 5 cases, 1 death.
Nara ken.	Oct. 3-Nov. 30.	31	23	
Oita ken.	Oct. 10-Nov. 30.	2	1	
Okayama ken.	Sept. 29-Nov. 30.	71	49	
Osaka fu.	Sept. 17-Nov. 30.	951	692	
Saga ken.	Oct. 4-Nov. 30.	51	31	
Shiga ken.	Nov. 20-30.	7	6	
Shimane ken.	Oct. 24-Nov. 30.	7	5	
Tokushima ken.	Oct. 3-Nov. 30.	59	37	
Tokyo fu.	Oct. 18-Nov. 30.	1	1	
Wakayama ken.	Oct. 6-Nov. 30.	57	44	
Yamaguchi ken.	Oct. 12-Nov. 30.	41	29	
Java.				Ball. Praja. Feb. 1-28: Cases, 294; deaths, 174. Lombok, Djougat: Cases, 284; deaths, 201. Celebes, Apr. 13-May 4: Present.
Batavia.	Nov. 13-May 13.	291	197	Including 13 Europeans.
Samarang.	Sept. 11-Feb. 10.	620	534	
Surabaya.	Oct. 23-Apr. 9.	28	15	
Surakarta.	Apr. 1-15.		100	Estimated.
Tanjong-Priok.	Apr. 24.			Present.
Korea:				
Seoul.	Oct. 26-Nov. 5.	1	1	
Madeira				Total for Madeira, Nov. 16-Feb. 8: Cases, 1,774; deaths, 555, in cluding report, p. 1938. vol. XXV.
Funchal.	Nov. 16-Feb. 8.	635	210	
Calheta.	Dec. 9-31.	1		
Camara dos Lobos.	Nov. 16-Feb. 8.	513	160	
Miñico.	do.	278	75	
Ponto do Sol.	do.	195	71	
Santa Cruz.	do.	89	26	
Porto Santo Island.	Nov. 10-Feb. 8.		13	
Moluccas:				
Ambogna.	Feb. 17-Mar. 2.	12		Including 2 Europeans.
Persia:				
Ardestan.	Nov. 30.			Present.
Assadabad.	Oct. 5-Nov. 8.		61	
Birjend.	Nov. 10.			Do.
Chalfaroud.	Jan. 3.			Do.
Enzeli.	Nov. 8-25.	9	11	Present in vicinity and in Pire-Bazar.
Hamadan.	Oct. 6-Dec. 3.	42	22	
Kashan.	Nov. 30.			Present.
Kasri-Churine.	Oct. 13-20.		5	
Kerman.	Nov. 22-Dec. 24.	106	51	
Kermanchah.	Nov. 5-10.		6	
Mohammerah.	Nov. 13-Dec. 5.	11	3	
Mollag-All.	Nov. 20.	6		
Resht.	Nov. 19-Dec. 3.	48	42	Present in all villages in vicinity.
Turbat-i-Hibari.	Oct. 10-Nov. 15.	66	25	
Philippine Islands:				
Manila.	Nov. 6-Dec. 31.	9	6	Third quarter, 1910: Cases, 186; deaths, 141. Fourth quarter: Cases, 22; deaths, 11.
Provinces.				Third quarter, 1910: Cases, 5,657; deaths, 4,089. Fourth quarter: Cases, 576; deaths, 412.
Albay.	Dec. 24-Mar. 11.	59	47	
Bulacan.	Nov. 6-Feb. 4.	18	15	
Iloos Sur.	Nov. 6-Dec. 17.	58	38	
Mindoro.	Nov. 6-Feb. 25.	37	27	
Rizal.	Nov. 6-Feb. 18.	41	32	
Union.	Nov. 6-12.	3	1	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Russia.....				Total for Russia, Nov. 20-Feb. 4: Cases, 1,230; deaths, 303. From May 8-Feb. 4: Cases, 216,796; deaths, 100,982. Apr. 21-May 8: Cases, 7; deaths, 2.
Baku government—				
Baku.....	Nov. 6-Dec. 17....	6	2	
Batum.....	Dec. 4-10.....	2	1	
Don territory.....	Nov. 6-19.....	6	2	
Erivan government.....	Nov. 6-Dec. 10....	4	4	
Ferghana territory.....	Nov. 6-19.....	6	6	
Kharkov government.....	Nov. 6-12.....	2		
Kazan government.....	Nov. 6-Jan. 7.....	2	1	
Kherson government.....	Nov. 6-Dec. 3.....	4	4	
Apr. 23-May 8.....		1		New outbreak.
Kief government.....	Nov. 6-Feb. 4.....	45	18	
Kuban territory.....	Nov. 6-13.....	4	4	
Lublin government.....	Nov. 20-26.....	31	13	
Minsk government.....	Apr. 21-29.....	4	1	Do.
Mohilev government.....	Nov. 6-19.....	2	1	
Novorossysk.....	Apr. 23-May 3.....	1	1	Do.
Orenburg government.....	Nov. 13-24.....	15	6	
Oufa government.....	Nov. 6-12.....	2	1	
Perm government.....	Nov. 20-26.....	1		
Podolia government.....	Nov. 13-Jan. 28....	11	4	
Rjasan government.....	Nov. 6-12.....	2		
do.....		2		
St. Petersburg government.		2		
St. Petersburg.....	Nov. 6-Dec. 31....	32	16	
Samara government.....	Nov. 6-19.....	6		
Saratov government.....	Nov. 13-26.....	8	6	
Siberia, eastern.....	Nov. 16-19.....	12	3	Vladivostok, Oct. 29-Nov. 13: Cases, 4; deaths, 17. See p. 1939, Vol. XXV.
Syr Darya territory.....	.....do.....	7	4	
Taurida government—				
Sebastopol.....	Nov. 13-Dec. 3....	7	4	
Tambov government.....	Nov. 13-Dec. 10....	86	34	
Tiflis government.....	Nov. 6-26.....	2		
Vitebsk government.....	Nov. 6-19.....	3	2	
Veronesch government.....	Nov. 6-12.....	2		May 8, 1 case.
Yekaterinoslav government	Nov. 6-Jan. 14....	65	34	
Slam:				
Bangkok.....	Nov. 6-Apr. 15....	1,274	1,264	
Straits Settlements:				
Singapore.....	Dec. 25-May 6....	9	6	
Sumatra.....				Mar. 7, present in Soembawa, Batangkapas, Taloe, and Timbelon. Mar. 25, present, at Solok.
Bambel.....	Dec. 29.....			Present.
Bandong.....	Mar. 1-7.....			Present in vicinity.
Blagmoeti.....	Nov. 14.....			Present.
Keretan.....	Dec. 29.....			Do.
Pengoelodjahar.....	Nov. 14.....			Do.
Tripoli:				
Amrousse.....	Sept. 20-Dec. 8....	6	5	
Hani.....	.....do.....	3	2	
Tripoli.....	Nov. 15-Dec. 8....	37	37	Total Sept. 20-Dec. 8: Cases, 323; deaths, 233.
Turkey:				
Adrianople Vilayet.....	Nov. 21-Dec. 15....	60	60	94 cases and 34 deaths reported, p. 1940, Vol. XXV.
Constantinople.....	Nov. 22-Jan. 16....	841	529	Total from Sept. 13-Jan. 16: Cases, 1,318; deaths, 793.
Do.....	May 29-June 3....	3		New outbreak.
Saloniki Vilayet.....	Dec. 11-31.....	50	25	
Turkey in Asia:				
Bagdad Vilayet.....	Nov. 20-Jan. 16....	119	115	Total Oct. 16-Jan. 16: Cases, 819; deaths, 723.
Basra.....	Nov. 6-26.....	10	9	
Medina.....	Jan. 22-Feb. 23....		667	
Mekka.....	Dec. 26-Jan. 23....	153	142	Feb. 5, present.
Samsun.....	May 27-June 2.....	77	46	Nov. 20-Dec. 6, 6 fatal cases.
Smyrna.....	Nov. 20-Feb. 14....	331	200	
Do.....	Apr. 26-May 28....	24	14	
Trebizond.....	Nov. 20-Dec. 18....	107	42	And vicinity.
Yembo.....	Jan. 7-Feb. 13....	37	37	
Zongouldak.....	Nov. 20-Dec. 16....	9	6	
At sea.....	June 8.....		1	On s. s. Berlin bound for New York from Naples.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Barbados.....	May 8-June 7....	2	1	
Brazil:				
Bahia.....	Apr. 16-26.....		14	
Ceara.....	Apr. 1-30.....	1	1	
Manaos.....	Dec. 4-May 20....		166	June 25, present.
Para.....	Nov. 27-June 10..	189	85	Mar. 12, 1 case from the British s. s. Cearense. June 21, present.
Pernambuco.....	Mar. 1-Apr. 30....		2	
Rio de Janeiro.....	Feb. 21-Mar. 11..	1	1	
British Gold Coast:				
Accra.....	May 29.....			Present.
Dominican Republic:				
Santiago de los Caballeros.....				Sept., 1910, present.
Ecuador:				
Bucay.....	May 16-31.....	1		
Guayaquil.....	Nov. 1-May 31....	199	85	Including 14 cases with 3 deaths, in April, on a coaling vessel at dock.
Milagro.....	Apr. 1-May 31....	9	5	
Naranjito.....	Mar. 1-May 15....	6	1	
San Antonio, hacienda.....	Mar. 1-31.....	1	1	
Gambia:				
Bathurst.....	Mar. 29.....			Present.
Honduras:				
Puerto Cortez.....	Jan. 21-29.....			1 fatal case on U. S. S. Marietta.
Mexico:				
Frontera.....	June 7.....	1		From Laguna, Campeche.
Salina Cruz.....	Mar. 4.....	1	1	From s. s. Opland from Guate- malan ports.
Portuguese Guinea.....	May 24.....			Present.
Venezuela:				
Caracas.....	Dec. 4-Feb. 28....	57	16	Nov. 22-Dec. 3, 5 deaths.
La Guaira.....	Dec. 1-15.....	1	1	Jan. 22-27, 1 fatal case in Canton suburb.
Macuto.....	Dec. 1-7.....	1		
Maiquetia.....	Nov. 29.....	1		

PLAGUE.

Arabia:				
Maskat.....	Mar. 26-May 20....	78	56	
Azores:				
Terceira.....	Dec. 24.....			Present.
Brazil:				
Bahia.....	Oct. 29-June 10....	67	54	
Para.....	Apr. 2-June 10....	12	8	
Pernambuco.....	July 1-Apr. 15....		16	
Rio de Janeiro.....	Jan. 1-May 27....	21	11	Nov. 1-Dec. 31: Cases, 19; deaths, 5.
Sao Paulo.....	Jan. 8-Feb. 25....	3	3	
British East Africa:				
Kismayu.....	May 19.....			Present.
British Egyptian Sudan:				
Suakin.....	Apr. 20-23.....	1		On s. s. Sultana.
Chile:				
Arica.....	Jan. 26-Feb. 5....	5	1	Dec. 28-May 1, present.
Iquique.....	Jan. 1-May 6....	29	12	
Pisagua.....	Feb. 7-Apr. 7....	9	7	
China:				
Amoy.....	Jan. 21-May 20....		42	Jan. 21-Apr. 29, present in Amoy Island; and Mar. 26-Apr. 8, 15 deaths. Three of these cases were of the pneumonic form.
Kulangsu.....	Jan. 1-21.....	3	3	
Changtu.....	Jan. 14.....			Present.
Hongkong.....	Apr. 24-May 13....	38	22	
Lastak.....	Mar. 1-Apr. 30....			Do.
Lienchoufu.....	do.....			Do.
Lungtam.....	do.....			Do.
Pakhol.....	Apr. 1.....	20	20	
Paoting-fu.....	Jan. 24.....			Do.
Peking.....	do.....	2		
Shantung Province.....				Total, Jan. 12-Apr. 13: Deaths, 3,060.
Chefoo.....	Jan. 15-Apr. 15....		1,100	
Chinchowfu.....	Mar. 12-18.....		36	
Laichow.....	Apr. 15.....		300	
Pingtau.....	Mar. 12-18.....			Present.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Tengchowfu.....	Feb. 4.....		30	Present in the interior 60 miles from Amoy. Present in vicinity. Jan. 17–Feb. 20, 60 cases. Feb. 25, present. Total for Manchuria, Oct. 25–Feb. 3: Cases, 1,176 Chinese, 40 Europeans; deaths, 1,164 Chinese, 37 Europeans. Total deaths to Mar. 29, 42,756
Sloke.....	Dec. 6–Jan. 4.....			
Swatow.....	Jan. 28–May 20.....			
Tientsin.....	Jan. 21–Mar. 18.....		27	Total for Manchuria, Oct. 25–Feb. 3: Cases, 1,176 Chinese, 40 Europeans; deaths, 1,164 Chinese, 37 Europeans. Total deaths to Mar. 29, 42,756
Wangkochuang.....				
Manchuria.....				
Ah Cheng.....	To Mar. 9.....		1,451	Feb. 10: Deaths, 300 daily.
An Feng Line.....	Feb. 13.....		41	
Ashihe.....	Dec. 25–Jan. 13.....	2		
Buhedu.....	Oct. 30.....	3	3	Nov. 8–Mar. 18: Deaths, 5,149.
Changchun.....	Jan. 1–Mar. 27.....		2,695	
Chang Tu.....	To Mar. 9.....		428	
Chen An.....	Mar. 7.....		88	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Cheng Te.....	Mar. 10.....		672	
Ching Chow.....	To Mar. 2.....		36	
Ching Hsi.....	Mar. 4.....		19	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Dalny.....	Jan. 11–Feb. 8.....	66	60	
Dunzenshan.....	To Dec. 25–Feb. 3.....		22	
Fa Ku.....	To Mar. 3.....		217	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Feng Hua.....	To Feb. 13.....		149	
Fenting Province.....	To Mar. 29.....		7,137	
Fuchiatien.....				And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Fushun.....	To Mar. 9.....		66	
Hailar.....	Dec. 6–Feb. 5.....		86	
Harbin.....				And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Heilung.....	Feb. 27.....		8	
Heilungkiang.....	Jan. 7–Mar. 29.....		13,739	
Hsintun.....	To Mar. 7.....		328	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Hsi An.....	Feb. 28.....		111	
Hsi Feng.....	Mar. 4.....		31	
Huai Te.....	To Mar. 8.....		795	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Hu Lan.....	Dec. 31–Mar. 8.....		1,562	
Iao nin.....	Dec. 25–Jan. 13.....	1	1	
I Chow.....	To Mar. 1.....	79		And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
I Lan.....	Mar. 9.....		143	
Kai Yuan.....	To Mar. 7.....		211	
Kang Ping.....	Feb. 28.....		159	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Kirin.....	Jan. 7–Mar. 29.....		21,880	
Kuantchentzi.....	Jan. 1–Feb. 3.....	8	3	
Kwang Ning.....	To Mar. 9.....		204	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Laio Chung.....	Feb. 27.....		33	
Liao Yang.....	Mar. 3.....		45	
Liao Yuan.....	Mar. 9.....		21	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Lan Hsi.....	Mar. 5.....		344	
Liesania vetka Handa-ohedzy.....	Dec. 25–Jan. 13.....	9	9	
Lochagri.....	Dec. 27.....	4	4	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Loshagoon.....	do.....	4		
Maneduria, station.....	Dec. 7–26.....		95	
Moershan.....	Jan. 1–20.....	1	1	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Mukden.....	Jan. 1–Mar. 10.....		1,656	
Ning An.....	Feb. 18.....		9	
Ning Yuan.....	Mar. 4.....		67	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Pan Shan.....	Feb. 24.....		3	
Pa Yen.....	Mar. 4.....		489	
Pen Hsi.....	To Mar. 11.....		17	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Pinchow.....	Jan. 28–Mar. 7.....		1,254	
Sanshane.....	Jan. 1–20.....	3	3	
Shing King.....	To Mar. 7.....		8	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Shu Chung.....	Feb. 16.....		76	
Sui Hua.....	To Mar. 8.....		1,198	
Swang Cheng.....	To Mar. 6.....		5,517	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Tieh Ling.....	Jan. 14–Mar. 3.....		73	
Tchjalalnarskiy.....	Nov. 11–Dec. 3.....	104	106	
Tchjalantum.....	Nov. 21–Jan. 14.....		42	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Te Hual.....	To Feb. 25.....		225	
Tun Fa.....	Feb. 6.....		9	
Turehiha.....	Oct. 30.....	4	4	And vicinity, Nov. 8–Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Tzaltzalgoy.....	Jan. 1–20.....	2	2	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Babahovo.....	Dec. 16-Jan. 15....	16	4	
Duran.....	Dec. 16-Mar. 31....	11	5	
Guayaquil.....	Nov. 1-May 31....	267	208	
Milagro.....	Jan. 1-Mar. 15....	10	5	
Egypt:				
Alexandria.....	Jan. 4-May 30....	7	2	Nov. 29-Dec. 24, 5 cases, 2 deaths.
Cairo.....	Feb. 11.....	1	1	
Port Said.....	Apr. 8-13.....	2	2	
Provinces—				
Assiout.....	Jan. 1-May 31....	185	93	Dec. 1-29, 50 cases, 24 deaths.
Assouan.....	Jan. 1-Apr. 26....	491	307	
Behera.....	Jan. 1-17.....	3	3	
Beni Souef.....	Feb. 7-May 22....	3	2	
Dakahlieh.....	May 20-28.....	5	2	
Favoum.....	Mar. 15-May 28....	43	32	
Galloubeeh.....	Feb. 28-May 21....	3	1	Nov. 22-Dec. 2, 1 case, 1 death.
Garbieh.....	Mar. 3-May 31....	8	3	
Glzgeh.....	Apr. 2-18.....	17	14	
Glzeh.....	Jan. 1-June 1....	10	5	
Kena.....	Jan. 14-May 30....	505	392	
Menouf.....	Jan. 1-May 29....	61	39	Dec. 2-22, 26 cases, 14 deaths.
Minieh.....	Feb. 22-May 31....	99	31	
German East Africa:				
Muanza.....	Nov. 16-Mar. 22....	30	6	
Great Britain:				
Glasgow.....	May 30-June 1....	1	1	From s. s. City of Banares from Kurrachee.
Hawaii:				
Honokaa.....	Jan. 31-Apr. 19....	3	3	
India:				
Bahrain Island.....	May 2-14.....	205	3,476	In Persian Gulf.
Bombay.....	Nov. 23-May 20....	3,476	1,038	Feb. 19-May 20, 3,687 cases.
Calcutta.....	Nov. 13-May 6....	2,317	1	
Kurrachee.....	Nov. 19-May 20....	2,399	389	
Madras.....	Dec. 11-17.....	415	1	Dec. 11-31, 10 deaths.
Rangoon.....	Jan. 1-Apr. 30....	51,755	36,373	
Bombay Presidency and Sind.....	Oct. 29-May 6....	8,299	6,847	
Madras Presidency.....	do.....	73,079	60,226	
Bengal.....	do.....	313,969	281,310	
United Provinces.....	do.....	146,678	121,423	
Punjab.....	do.....	4,285	4,053	
Burma.....	do.....	11	9	
Eastern Bengal and Assam.....	Jan. 29-May 6....	31,288	24,114	
Central Provinces.....	Oct. 29-May 6....	24	12	
Coorg.....	Oct. 29-Apr. 15....	9,534	6,787	
Mysore State.....	do.....	7,027	5,910	
Hyderabad State.....	do.....	9,492	7,930	
Central India.....	do.....	24,327	19,859	
Rajputana and Ajmere.....	Oct. 29-May 6....	1,181	671	
Merwara.....	Nov. 6-May 6....	269	194	
Kashmir.....	Dec. 10-May 6....			
North West Province.....				
Grand total.....		681,218	575,718	Jan. 1-May 6, 593,009 cases, 507,561 deaths.
Indo-China:				
Saigon.....	Nov. 14-May 14....	121	30	
Japan:				
Formosa.....	Jan. 22-May 13....	246	205	In the southern part. In Kagi Province, May 1-20, 144 cases, 123 deaths.
Java:				
Batavia.....	Apr. 7.....			Present. Feb. 18—Present among pilgrims on a steamer from Jiddah in quarantine 10 miles distant.
Paseroosan Residency, Malang.....	Mar. 1-May 13....	340	201	May 6, present in Japara and Surabaya.
Mauritius:				
	Dec. 30-Mar. 30....	116	53	Sept. 30-Dec. 29: Cases, 511; deaths, 290.
New Caledonia:				
Noumea.....	Sept. 17.....			Present.
New Zealand:				
Auckland.....	Mar. 21.....	3	1	From Onehunga.
Persia:				
Buchir.....	Apr. 23-May 13....	24	18	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

PLAGUE—Continued.

Places.	Dates.	Cases.	Deaths.	Remarks.
Peru:				
Departments—				
Ancachs.....	Feb. 1-Mar. 18....	15	2	Mar. 4, present at Casma.
Arequipa.....	Nov. 1-Apr. 30....	36	12	
Mollendo.....	.....	.....	.....	May 6, 2 cases.
Cajamarca.....	Feb. 1-28.....	7	5	
Callao.....	Nov. 1-Apr. 30....	8	2	
Chilayo.....	Mar. 1-Apr. 30....	18	6	
Lambayeque.....	Nov. 1-Apr. 30....	57	26	
Libertad.....	.....do.....	251	103	Dec. 10-Mar. 11, present in Chicama Valley. Mar. 1, present in Moche and Viru. Trujillo, May 8, 16 cases in lazaretto. Salaverry, May 22, present.
Lima.....	Nov. 1-Apr. 1....	40	21	Lima—Feb. 19-Mar. 11: Cases, 9; deaths, 3. Mar. 11: Catacaos, epidemic.
Huacochiri.....	Mar. 1-18.....	1	.....
Pacasmayo.....	Mar. 19-Apr. 30....	4	4	
Piura.....	Nov. 1-Mar. 18....	77	41	
Portuguese East Africa:				
Nahoria.....	May 26.....	.....	.....	Present.
Russia:				
Astrakhan Government—				
Akil-Iaken.....	Nov. 22-29.....	4	4	
Kirghis Steppe.....	Dec. 17-Feb. 7....	106	88	
Kolden.....	Dec. 6-13.....	8	3	
Koybal.....	Dec. 10-13.....	5	1	
Kulken Island.....	Oct. 13-Nov. 4....	5	5	
Naumal-Tepaygal.....	Nov. 23-29.....	5	5	
Neuren.....	Nov. 17-21.....	1	1	
Trans-Caucasia.....	.....	.....	.....	Total from Oct. 23-Nov. 24: Cases, 28; deaths, 5.
Petrovsk.....	Nov. 23.....	1	1	
Sanitsa-Olivjanna.....	Nov. 22.....	1	1	
Baku.....	Dec. 17.....	1	1	
Batum.....	.....do.....	1	1	
Odessa.....	Jan. 1-Mar. 5.....	3	2	Dec. 9, 1 death.
Siam:				
Bangkok.....	Nov. 27-Apr. 15....	50	44	
Straits Settlements:				
Singapore.....	Nov. 13-Apr. 22....	4	4	
Trinidad.....	Feb. 8-May 10.....	7	2	
Turkey in Asia:				
Basra.....	May 7-13.....	2	2	
Jiddah.....	Dec. 16-Apr. 24....	37	32	
Venezuela:				
Caracas.....	Apr. 10-May 24....	9	1	Nov. 9, present.

SMALLPOX.

Abyssinia:				
Adis Ababa.....	Nov. 20-Feb. 11....	.....	.....	Present.
Algeria:				
Algiers.....	Mar. 1-31.....	.....	1	
Arabia:				
Aden.....	Jan. 9-Apr. 10....	126	15	And vicinity.
Berbera.....	Dec. 9-Jan. 9.....	.....	.....	Epidemic.
Bulhar.....	Jan. 25.....	.....	.....	Present.
Maskat.....	Jan. 1-21.....	3	.....	1 case from a British naval vessel.
Zella.....	Jan. 25.....	.....	.....	Present.
Argentina:				
Buenos Aires.....	Oct. 1-Mar. 31....	.....	25	
Rosario.....	.....do.....	.....	37	
Australia:				
Adelaide.....	.....	.....	.....	Sept., 1910, 1 case on s. s. Kazembe from Singapore.
Austria-Hungary:				
Bohemia.....	Apr. 9-22.....	3	.....
Galicia.....	Mar. 12-May 27....	29	.....
Krain.....	Mar. 5-May 6.....	10	.....
Trieste.....	Apr. 16-May 13....	4	1	
Barbados:				
Bridgetown.....	Jan. 14.....	1	.....	From steamship Cars from Rio de Janeiro.
Belgium:				
Antwerp.....	Mar. 26-Apr. 29....	3	.....

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia.....	Oct. 29-Jan. 6.....	62	31	
Para.....	Nov. 27-June 10.....	81	22	
Pernambuco.....	July 1-Apr. 30.....	.....	1,764	
Rio de Janeiro.....	Jan. 1-May 27.....	10	5	Nov. 14-Dec. 31, 6 cases.
Sao Paulo.....	Jan. 8-Mar. 11.....	2	1	
Canada:				
British Columbia—				
Fernie.....	Feb. 19-Apr. 1.....	10	.....
Vancouver.....	Jan. 1-June 10.....	29	.....
Victoria.....	Dec. 11-Feb. 28.....	59	.....
Grosse Isle Quarantine Station.....	May 3.....	2	.....	From s. s. Dominion from Liverpool.
Manitoba—				
Winnipeg.....	Apr. 2-29.....	3	.....
New Brunswick—				
Campbelltown.....	Apr. 4-10.....	1	.....
Moncton.....	Jan. 20-Feb. 11.....	15	.....
Newcastle.....	Dec. 18-May 27.....	13	.....	Jan. 14-June 17, in vicinity.
St. Marys.....	Apr. 9-15.....	1	.....
Newfoundland—				
St. Johns.....	Mar. 12-18.....	2	.....
Nova Scotia—				
Halifax.....	Jan. 1-May 6.....	13	.....
Louisburg.....	Dec. 25-Feb. 4.....	9	.....
Sydney.....	Jan. 22-June 3.....	10	.....
Ontario—				
Cornwall.....	Jan. 1-May 25.....	4	.....
Port William.....	Apr. 3-May 29.....	7	.....
Ottawa.....	Dec. 18-June 10.....	93	1	
Sarnia.....	Mar. 19-Apr. 8.....	2	.....
Prince Edwards Island.....	Mar. 1-Apr. 29.....	150	.....	In a French settlement 70 miles from Summerside.
Charlottetown.....	Mar. 29-May 18.....	24	1	
Quebec—				
Pasphebiac.....	May 21-27.....	1	.....
Quebec.....	Feb. 12-June 17.....	25	.....	Total for Province of Quebec, Apr. 28: Cases, 300.
Yukon—				
Dawson.....	June 8.....	4	.....
Ceylon:				
Colombo.....	Nov. 12-Apr. 22.....	41	9	
Chile:				
Coquimbo Province.....	Dec. 13-30.....	.....	.....	Present in two localities.
Iquique.....	Nov. 13-19.....	.....	1	
Punta Arenas.....	Nov. 1-30.....	1	.....
Tulcahuano.....	Nov. 13-Dec. 17.....	23	.....
Valparaiso.....	Nov. 20-May 6.....	700	.....	Deaths not generally reported. Jan. 8-14, 2 deaths; May 20, present.
China:				
Amoy.....	Mar. 8-14.....	.....	8	Mar. 25-Apr. 8, still present in vicinity.
Canton.....	Dec. 11-17.....	26	3	
Chefoo.....	.....do.....	.....	.....	Present among natives.
Chungking.....	Nov. 13-May 6.....	.....	.....	Present.
Hankow.....	Mar. 26-Apr. 1.....	.....	.....	Do.
Hongkong.....	Dec. 4-May 13.....	142	88	
Manchuria—				
Dalny.....	Nov. 27-Feb. 11.....	2	1	
Nanking.....	Nov. 20-Apr. 29.....	.....	.....	Present.
Shanghai.....	Nov. 21-May 21.....	61	193	Deaths among natives.
Swatow.....	Jan. 1-7.....	.....	.....	Present 25 miles inland; Jan. 21-May 20, present in vicinity.
Tsintau.....	Jan. 8-Apr. 22.....	27	1	May 20, present.
Colombia:				
Cartagena.....	Jan. 15-May 21.....	.....	.....	Present.
Ecuador:				
Guayaquill.....	Apr. 22.....	.....	.....	One case from s. s. Manavi from Manta.
Egypt:				
Alexandria.....	Jan. 1-Mar. 31.....	27	21	
Cairo.....	Dec. 3-May 20.....	29	9	Nov. 1-Dec. 31, 1 case, 2 deaths.
Port Said.....	Dec. 17-May 20.....	52	34	
France:				
Marseille.....	May 1-31.....	.....	1	
Paris.....	Dec. 3-May 27.....	87	.....
Gambia:				
Gambia.....	Apr. 8.....	.....	.....	Present.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Germany.....				Total for Germany, Dec. 4-June 3, cases 146.
Bremen.....	May 21-27.....	1		
Hamburg.....	May 14-June 10.....	3		
Magdeburg.....	Mar. 19-Apr. 8.....	3		
Gibraltar.....	Jan. 16-Apr. 23.....	6		
Great Britain:				
Dublin.....	Jan. 15-21.....	1		
Dundee.....	May 7-June 3.....	3	1	
Glasgow.....	Apr. 30-May 5.....	2		
Leith.....	Dec. 11-17.....	2		From a steamship from Oporto.
Liverpool.....	Jan. 29-June 3.....	10		
London.....	Feb. 19-June 3.....	277	8	
Nottingham.....	Mar. 12-18.....	1		
Guatemala:				
Estora.....	May 21.....			Present.
Quirigua.....	do.....			Do.
Guiana:				
Georgetown.....	May 15.....	1		
Hawaii:				
Honolulu.....	Jan. 3-May 4.....	5		Jan. 3, 3 cases on s. s. Kiho Maru from Manzanillo. Feb. 13, 1 case on s. s. Chiyo Maru from Yokohama.
Olaa.....	May 4.....	1		
Hilo.....				In vicinity Mar. 14-30, 9 cases, including 3 reported Mar. 26 at Walakea.
Kona.....	Mar. 22.....	1		
Mauli.....				
Puuene.....	Jan. 24.....	39		
Waikapu.....	Jan. 31.....	1		
India:				
Bombay.....	Dec. 6-May 20.....		321	Feb. 19-Apr. 29, 513 cases.
Calcutta.....	Nov. 6-May 6.....		48	
Madras.....	Nov. 20-May 20.....	863	391	
Rangoon.....	Jan. 1-Apr. 30.....	1,354	512	Nov. 20-Dec. 31, 6 deaths.
Indo-China:				
Saigon.....	Nov. 14-May 14.....	531	90	
Italy:				
Genoa.....	Feb. 1-May 31.....	15		
Naples.....	Dec. 4-June 3.....	567	209	
Palermo.....	Jan. 8-June 3.....	208	79	
Turin.....	Jan. 8-May 5.....	5		
Japan:				
Formosa.....	Mar. 19-25.....	1		
Kobe.....	Dec. 26-Apr. 8.....	6	1	Dec. 26-Jan. 1, 2 cases from s. s. Shimosa from New York via ports.
Nagahama.....	Mar. 23.....	1		From s. s. Luceric from Hong-kong via ports.
Yokohama.....	May 20.....	1		From s. s. Siberia, from San Francisco via Honolulu; removed to quarantine at Nagaura.
Java:				
Batavia.....	Dec. 26-May 13.....	17	1	
Lourenco Marquez.....	Mar. 1-31.....	2		
Malta:				
Valetta.....	Dec. 4-Jan. 28.....	4		
Mexico:				
Agua Calientes.....	Dec. 25-May 21.....		68	
Chihuahua.....	Jan. 30-May 21.....	8	4	
Ciudad Porfirio Diaz.....	May 14-20.....		1	
Ensenada.....	Mar. 12-May 20.....	35	5	
Frontera.....	May 28-June 3.....	2		
Guadaluajara.....	Jan. 29-June 10.....		3	
Juarez.....	May 14-June 10.....	22	1	
Mexico.....	Dec. 11-May 20.....		189	Reports from Jan. 8-28 not received.
Monterey.....	Dec. 19-Apr. 16.....		2	
Nogales.....	May 21-27.....	3		
Salina Cruz.....	May 14-20.....	1		
San Juan Bautista.....	May 26-June 13.....	60	19	
San Luis Potosi.....	Nov. 13-June 3.....	185	40	Jan. 26, present in the interior of the State.
Tehuacan.....	May 7-20.....	16		
Tampico.....	Dec. 2-June 10.....	141	37	Present in Dona Cecilia, La Barra, and Tamol.
Vera Cruz.....	Mar. 15-18.....	1	1	From a sailing vessel.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Morocco:				
Tangier.....	Mar. 19-25.....			Epidemic.
Netherlands:				
Rotterdam.....	Dec. 11-Jan. 28....	4		
New Zealand:				
Lyttelton.....	Dec. 30.....	1		On s. s. Knight of the Garter from Karotzu, Japan.
Peru:				
Salaverry.....	Jan. 25-Mar. 21....	17	2	Jan. 10-Feb. 7, present.
Truxillo.....	Dec. 19.....		2	Dec. 19-Jan. 7, present in vicinity.
Philippine Islands.....				Third quarter, 1910: Cases, 11; deaths, 0; fourth quarter, 19 cases.
Portugal:				
Lisbon.....	Dec. 3-June 3.....	379		Oct. 30-Dec. 31, deaths, 48. Year 1910, 286. Jan. 1 - May 6, deaths, 51.
Russia:				
Libau.....	Dec. 5-May 29.....	11	4	
Moscow.....	Nov. 15-May 27....	407	136	
Odessa.....	Nov. 20-May 20....	45	9	
Riga.....	Dec. 11-May 27....	196		Oct. 1-Dec. 31, deaths, 82. Jan. 1-Mar. 31, deaths, 57.
St. Petersburg.....	Nov. 13-May 20....	681	188	
Warsaw.....	Oct. 9-Mar. 18....		49	
Siberia:				
Vladivostok.....	Nov. 22-Mar. 21....	36	5	
Siam:				
Bangkok.....	Dec. 21-Apr. 15....	17	13	
South Africa:				
Cape Town.....	Mar. 5-Apr. 29....	4		
Johannesburg.....	Mar. 17-Apr. 29....	18	6	
Spain:				
Barcelona.....	Dec. 5-May 26.....		3	Mar. 12, present.
Madrid.....	Nov. 1-May 31.....		37	
Seville.....	Jan. 1-May 31.....		14	
Valladolid.....	Mar. 1-11.....			Epidemic.
Valencia.....	Nov. 27-June 4....	107	4	
Straits Settlements:				
Penang.....	Jan. 1-Apr. 29.....	83	28	Nov. 6-Dec. 31: Cases, 69; deaths, 68.
Singapore.....	Nov. 13-May 6.....	134	34	
Switzerland:				
Cantons—				
Aargau.....	Jan. 29-Mar. 18....	58		
Baselstadt.....	Feb. 19-25.....	1		
Bern.....	Dec. 12-Apr. 15....	21		
Turkey:				
Constantinople.....	May 8-June 4.....		3	Dec. 19-25, death, 1.
Turkey in Asia:				
Adana.....	Mar. 14.....		1	
Beirut.....	Dec. 4-May 27.....	70	6	
Kharput.....	Apr. 2-May 20.....	40	3	
Smyrna.....	Dec. 18-May 6.....	3		
Uruguay:				
Montevideo.....	Oct. 1-Mar. 31.....	67	21	
Zanzibar:				
Zanzibar.....	Oct. 31-May 14....	82	55	

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	June 3	163,084	45									1		4
Aguaocalientes	Apr. 23	40,000	55	1				3	8					
Do	Apr. 30		53	3				1				2		
Do	May 7		59	4				1	1					
Do	May 14		36											
Do	May 21		40					1	4			1		
Do	May 28		51						3			1		
Do	June 4		39	1					2					
Aix-la-Chapelle	May 27	156,376	50	5								1		
Amsterdam	do	576,691	112	16									4	2
Antwerp	June 3	327,668	67	8						1				
Asuncion	May 6	75,000	21	1						1				
Athens	May 20	250,010	64	17						2				
Do	May 27		55	11						3		1		
Baracoa	June 3	27,000	6	1						1				
Barcelona	June 5	591,272	290	18						2		2	6	1
Barranquilla	June 3	40,000	27	3						1				
Basel	do	136,000	35	9										
Belgrade	do	90,050	33											
Berlin	May 27	2,073,844	521	76							2			
Birmingham	June 10	575,545	117								7	13	8	13
Bombay	May 20	977,822	707	36	163			21			2		1	1
Bradford	May 13	297,780	76	5									9	
Do	May 20		79	4						1				2
Do	May 27		72	7										
Do	June 3	288,723	76	5						2				1
Do	June 10		62	6								1		1
Birmingham	June 3	575,545	147									1	1	1
Bremen	do	246,850	68	7							1		2	
Bristol	do	387,511	107	5							1			3
Brussels	May 27	720,030	122	19								1	2	
Budapest	do	950,610								1	4			
Do	June 3									1	14	5		
Calcutta	May 6	890,493	498	39	136	41		3						
Cairo	May 20	682,953	747	40				1	11	1	11	13	11	
Catania	May 27	220,000	54	2										
Christiania	June 3	245,000	76	11										5
Cienfuegos	May 27	30,100	24											
Do	June 3		20	2						1				
Chemnitz	do	292,825	78	13								1		1
Cologne	do	519,740	143	15							1	1	4	7
Colombo	May 6	211,184		20										
Do	May 13		116	15						8				
Constantinople	May 28	1,000,000	204	29						1		2	1	
Copenhagen	May 27	462,000	119	15						1		2	1	1
Dresden	May 20	548,900	152	23						4		2		
Do	May 27		142	20						2		4	2	2
Dundee	June 3	171,006	47	5										5
Do	June 10		36	4										
Edinburgh	June 3	320,829	89	13								1		4
Frankfort on Main	May 27	414,800	75								1	2	1	
Georgetown	do	56,000	52	5							1			
Do	June 3		51	4						2				
Ghent	June 3	165,965	46	6						1				
Glasgow	June 9	784,655	288											
Do	June 16		242									2	1	
Gottenborg	June 3	168,000	32	5								1		
Do	June 10		80							1				
Guadalajara	May 27	118,799	87						1					
Hamburg	May 17	932,166	220	29						1		4	14	1
Do	June 3		241	20							2	13	4	2
Do	June 20		282	32							3	15	4	
Kharput	May 20	21,000						1						
Havre	June 2	136,159	56	13						1				
Hongkong	May 13	336,488			4									
Hull	June 3	278,968	54					4						
Do	June 10		63									1	1	2
Johannesburg	May 13	220,304	188	25						10			1	3
Kobe	May 21	404,851	149											
Kurrachee	May 20	148,000	270		189							1		

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Leeds.....	June 3	415,568	125	11							1	2	2	3
Leipzig.....	do.	585,743	149	12							1	4	1	1
Leith.....	do.	80,674	24	3								2		2
Liege.....	May 27	174,768	44	9										4
Liverpool.....	June 3	747,637	261	21						1	4	1	11	7
Do.....	June 10		214	17					1		2	1	7	7
London.....	June 3	7,645,716	1,546	157						4	4	10	43	37
Lyon.....	May 27	520,775	157	35								2		2
Do.....	June 3		134	36								4		
Madras.....	May 20	550,000	371					19		1			6	
Magdeburg.....	May 27	277,011	88	11						1		9		
Manaos.....	do.	52,000	48	1			3							
Do.....	June 3		26	2										
Manchester.....	do.	631,533	226	29						1	1		1	7
Mannheim.....	May 27	195,450	41	11							1			
Maracaibo.....	Apr. 7	50,000	26	5						2	2			
Do.....	Apr. 14		14	1						2	1			
Do.....	Apr. 21		12	2										
Do.....	Apr. 28		29	4							3			
Do.....	May 5		27	3						1	1			
Do.....	May 12		13	2						1	1			
Do.....	May 19		19							3	3			
Do.....	May 26		12	1						1	2			
Do.....	June 2									3				
Maskat.....	May 10				5									
Mexico.....	May 13		432	22				11	27		3	2	4	2
Do.....	May 20		444	26				24	19		3	2	3	1
Monterey.....	June 11	100,000	80	19								1	2	
Do.....	June 18		62	6						1	5		1	
Moscow.....	May 20	1,500,000	756	87				7	7	1	13	12	8	2
Do.....	May 27		788	87				7	2	1	9	14	6	2
Munich.....	May 21	597,000	170	29								1		6
Do.....	June 3		181	32							2			1
Nagoya.....	May 6	402,101	105									1		
Nantes.....	May 28	161,908	48	14						1		1		
Do.....	June 4		63	16						2				
Nottingham.....	May 27	259,942	86								1			1
Odessa.....	May 20	546,000	156	29				1	3	1	2	2	2	3
Do.....	May 27		159	20				1	1	2	3	1		1
Palermo.....	June 3	340,000	169					7		5	6			
Para.....	do.	185,000	76	7	1			3						
Do.....	June 10		96	13				1						
Paris.....	June 3	2,846,986	897	196						4	7	5	31	11
Plymouth.....	do.	124,180	38										2	
Port Elizabeth.....	May 20	32,248	12	2							1			
Prague.....	May 27	235,556	68	12								1	2	
Do.....	June 3		87	10								1		
Saigon.....	May 14	206,000			1									
St. Petersburg.....	May 20	1,907,708	808	101				4		8	8	4	20	5
Salaverry.....	May 15	1,700			1									
Do.....	May 22				1									
San Luis Potosi.....	May 13	82,964	95	6										1
Do.....	June 3		111	8				4	2				8	1
Santa Cruz de Tenerife.....	May 27	46,000	18	1					2					
Santiago de Cuba.....	June 3	53,614	13	2									1	
Sarnia.....	June 10	9,810								1				
Sheffield.....	May 27	454,653	104									1	3	
Do.....	June 3		100	6									3	
Singapore.....	May 6	303,328	419	39				2		1				
Southampton.....	June 3	119,394	34	3								2	2	1
Do.....	June 10		33	3							1		2	
Stockholm.....	May 13	343,832	75	22										
Do.....	May 20		86	14								1		
Do.....	May 27		87	13							1			
Swansea.....	May 20	115,100	43										2	1
Do.....	May 27		38									1	1	1
Do.....	June 3		33							1	1	1	3	1

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Talcahuana.....	Apr. 29	28,000	.....	3	.....	.....	.....	.....	.....	1	.....	.....	.....	2
Do.....	May 6	.....	.....	3	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Do.....	May 13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
Do.....	May 20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....
Tampico.....	June 10	23,452	51	.....	.....	.....	.....	2	.....	.....	.....	1	.....	.....
Trieste.....	May 27	229,499	74	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
Do.....	June 3	.....	97	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
Turin.....	May 27	401,555	147	23	.....	.....	.....	.....	.....	.....	.....	.....	2	.....
Vancouver.....	June 10	126,000	13	3	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Valencia.....	June 4	240,000	87	2	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Venice.....	Apr. 22	184,325	76	7	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Do.....	Apr. 29	.....	67	6	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Do.....	May 6	.....	57	8	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Do.....	May 13	.....	48	4	.....	.....	.....	.....	.....	3	.....	.....	1	2
Do.....	May 20	.....	64	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	May 27	.....	57	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do.....	June 3	.....	51	4	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Vienne.....	May 27	2,047,968	605	118	.....	.....	.....	.....	.....	1	2	1	13	2
Warsaw.....	Apr. 1	797,093	266	32	.....	.....	.....	3	.....	2	2	2	1	2
Winnipeg.....	June 10	151,958	51	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Do.....	June 17	.....	24	1	.....	.....	.....	.....	.....	1	1	2	.....	.....
Yokohama.....	May 29	419,630	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES
(untabulated).

AUSTRALIA—*Newcastle*.—Month of April, 1911. Population, 65,500. Total number of deaths from all causes 43, including diphtheria 1, tuberculosis 5, typhoid fever 2.

FRANCE—*Roubaix*.—Month of May, 1911. Population, 122,154. Total number of deaths from all causes 175, including diphtheria 1, scarlet fever 1, tuberculosis 32.

St. Etienne.—Two weeks ended May 31, 1911. Population, 150,000. Total number of deaths from all causes 114, including scarlet fever 1, tuberculosis 17.

GREAT BRITAIN.—Week ended June 3, 1911:

England and Wales.—The deaths registered in 77 great towns correspond to an annual rate of 13 per 1,000 of the population, which is estimated at 16,257,983.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 17.1 per 1,000 of the population, which is estimated at 1,163,596. The lowest rate was recorded at Sligo, viz, 4.8, and the highest at Tralee, viz, 31.7 per 1,000.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 16.9 per 1,000 of the population, which is estimated at 1,710,291. The lowest rate was recorded at Aberdeen,

viz, 14.4, and the highest at Glasgow, viz, 19.2 per 1,000. The total number of deaths from all causes was 554, including diphtheria 4, measles 11, scarlet fever 2.

JAPAN—Formosa.—Four weeks ended May 20, 1911. Population, 3,290,186. Total number of deaths from all causes not reported. The deaths include diphtheria 1, plague 123, typhoid fever 5.

NEW ZEALAND.—Month of March, 1911:

Auckland.—Population, 101,446. Total number of deaths 81, including diphtheria 1, measles 1, typhoid fever 1.

Christchurch.—Population, 80,523. Total number of deaths 47, including tuberculosis 5.

Dunedin.—Population, 64,402. Total number of deaths 65, including diphtheria 1, tuberculosis 8.

Wellington.—Population, 78,243. Total number of deaths 67, including tuberculosis 7, typhoid fever 1.

SPAIN—Almeria.—Month of May, 1911. Population, 50,910. Total number of deaths from all causes 120, including tuberculosis 14, typhus fever 2.

Madrid.—Month of May, 1911. Population, 613,436. Total number of deaths from all causes 978, including diphtheria 5, measles 51, scarlet fever 2, smallpox 3, tuberculosis 136, typhoid fever 5, typhus fever 2.

Seville.—Month of May, 1911. Population, 154,315. Total number of deaths from all causes 512, including diphtheria 8, measles 49, smallpox 1, tuberculosis 70, typhoid fever 1.

TAHITI.—Three weeks ended June 2, 1911. Population, 4,000. Total number of deaths from all causes 2. No deaths from contagious diseases.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon General,

United States Public Health and Marine-Hospital Service.